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STATE AGRICULTURAL AND INDUSTRIAL EXPOSITION BUILDING.
Sacramento, California.

TRANSACTIONS
OF THE
CALIFORNIA
STATE AGRICULTURAL SOCIETY
DURING THE YEAR 1891.



SACRAMENTO:
STATE OFFICE, : : : : A. J. JOHNSTON, SUPT. STATE PRINTING.
1892.

STATE BOARD OF AGRICULTURE FOR 1891.

DIRECTORS.

| | |
|------------------------|-------------------------------|
| JOHN BOGGS..... | Princeton, Colusa County. |
| C. M. CHASE..... | San Francisco. |
| H. M. LA RUE..... | Sacramento. |
| CHRISTOPHER GREEN..... | Sacramento. |
| JESSE D. CARR..... | Salinas, Monterey County. |
| F. C. DeLONG..... | Novato, Marin County. |
| G. W. HANCOCK..... | Sacramento. |
| FREDERICK COX..... | Sacramento. |
| RICHARD GIRD..... | Chino, San Bernardino County. |
| L. U. SHIPPEE..... | Stockton. |
| SAMUEL GAMBLE..... | San Mateo. |
| W. L. HARDISON..... | Santa Paula, Ventura County. |

OFFICERS OF THE BOARD.

| | | |
|------------------------|-----------------------------|-------------|
| | PRESIDENT, | |
| FREDERICK COX..... | | Sacramento. |
| | SECRETARY, | |
| EDWIN F. SMITH..... | | Sacramento. |
| | TREASURER, | |
| L. A. UPSON..... | | Sacramento. |
| | SUPERINTENDENT OF PARK, | |
| G. W. HANCOCK..... | | Sacramento. |
| | SUPERINTENDENT OF PAVILION, | |
| CHRISTOPHER GREEN..... | | Sacramento. |

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1891

STATE AGRICULTURAL SOCIETY.

AN ACT

TO PROVIDE FOR THE MANAGEMENT AND CONTROL OF THE STATE AGRICULTURAL SOCIETY BY THE STATE.

[Approved April 15, 1880.]

The People of the State of California, represented in Senate and Assembly, do enact as follows:

SECTION 1. The State Agricultural Society is hereby declared a State institution.

SEC. 2. Within ten days after the passage of this Act, the Governor shall appoint twelve resident citizens of the State, who shall, when organized, constitute a State Board of Agriculture, who shall, except as hereinafter provided, hold office for the term of four years, and until their successors are appointed and qualified. Vacancies occurring from any cause in the Board shall be filled by appointment of the Governor for the unexpired term of the office vacated.

SEC. 3. Within ten days after their appointment, the persons so appointed shall qualify as required by the Constitution, and shall meet at the office of the State Agricultural Society, and organize by the election of one of their number as President of the Board and said society, who shall hold said office of President for the term of one year, and until his successor is elected and qualified. The Board shall also elect a Secretary and Treasurer, not of their number, who shall each hold office at the discretion of the Board.

SEC. 4. At the same meeting the members of the Board shall, by lot or otherwise, classify themselves into four classes of three members each. The term of office of the first class shall expire at the end of the first fiscal year; of the second class, of the second year; of the third class, of the third year; of the fourth class, at the end of the full term of four years. The fiscal year shall be from the first of February to the first of February.

SEC. 5. The State Board of Agriculture shall be charged with the exclusive management and control of the State Agricultural Society as a State institution; shall have possession and care of its property, and be intrusted with the direction of its entire business and financial affairs. They shall define the duties of the Secretary and Treasurer, fix their bonds and compensation, and shall have power to make all necessary changes in the constitution and rules of the society, to adapt the same to the provisions of this Act, and to the management of the society, its meetings and exhibitions. They shall provide for an annual fair or exhibition by the society of all the industries and industrial products of the State, at the city of Sacramento; *provided*, that in no event shall the State be liable for any premium awarded or debt created by said Board of Agriculture.

SEC. 6. The Board shall have power to appoint all necessary marshals and police to keep order and preserve peace at the annual fairs of the society; and the officers so appointed shall be vested with the same authority for the preservation of order and peace, on the grounds and in the buildings of the society, that executive peace officers are vested with by law.

SEC. 7. Said Board shall use all suitable means to collect and disseminate all kinds of information calculated to educate and benefit the industrial classes, develop the resources, and advance the material interests of the State, and shall, on or before the first day of February of each year, report to the Governor a full and detailed account of their transactions, statistics, and information gained, and also a full financial statement of all funds received and disbursed. They shall also make such suggestions and recommendations as experience and good policy may dictate, to the improvement and advancement of the agricultural and kindred industries.

SEC. 8. The Superintendent of State Printing shall, each year, print and bind in cloth, four thousand volumes of said transactions, and deliver the same to said Board of Agriculture for distribution and exchange. He shall also do such job printing as said Board may require to carry out the provisions of this Act.

SEC. 9. The Directors or Board of Managers of each county and district agricultural society or association, and of county, district, or State horticultural and stock-breeding association or society, organized and acting under the laws of this State, shall report annually, on or before the first day of April, to the State Board of Agriculture, the name and Post Office address of each officer of such society or association; and, on or before the first day of December, shall report to the Board of Agriculture the transactions of said society, including the premiums offered, the list of stock and articles exhibited, and the premiums paid; the amount of receipts and expenditures for the year, the new industries inaugurated, and any and all facts and statistics showing the development and

extent of the industries, products, and resources of the county or district embraced within the management of such society or association; *provided*, that the provisions of this Act shall not apply to any Board of Commissioners or other body organized under the laws of this State, the object of which is to promote vinicultural industries, unless such Board or body shall voluntarily request the privilege of making such reports as are called for by this Act, in which case this Board or body shall enjoy equal privileges as are accorded to other institutions devoted to agriculture.

Sec. 10. To facilitate such reports, the State Board of Agriculture shall have prepared, and shall furnish such societies with necessary schedules and blanks for such reports, and such State Board shall include such reports from societies and associations, or so much thereof as they may deem advisable, in their report to the Governor.

Sec. 11. When said State Board of Agriculture shall have been organized and classified as provided herein, the Secretary of the Board shall report such organization and classification to the Governor. He shall also report any vacancy that may occur in said Board at any time.

Sec. 12. All laws and parts of laws in conflict with this Act are hereby repealed.

Sec. 13. This Act shall take effect and be in force from and after its passage.

CONSTITUTION

OF THE

CALIFORNIA STATE AGRICULTURAL SOCIETY.

[Revised and adopted by the State Board of Agriculture, April 20, 1886.]

NAME.

SECTION 1. This society shall be called "The California State Agricultural Society."

OBJECT.

SEC. 2. It shall be the object of this society to encourage the cultivation of the soil, and the general development of all the agricultural resources of this State.

SEC. 3. To foster every branch of mechanical and household arts calculated to increase the comforts of home life.

SEC. 4. To extend and facilitate the various branches of mining and mining interest.

MEMBERSHIP.

SEC. 5. *Annual Members.*—Any person who shall pay into the funds of this society the sum of five dollars may become a member of the same; such membership to expire at the end of the current fiscal year.

SEC. 6. *Life Members.*—Any person may become a member for life by the payment of fifty dollars; or, if already a member, by the payment of forty-five dollars, or by serving a full term as a member of the State Board of Agriculture, and shall thereafter be exempt from all dues and assessments.

SEC. 7. *Honorary and Corresponding Members.*—Any person whom the Board shall propose may be elected an honorary or corresponding member, and shall enjoy, free of charge, all the privileges of the society, except voting and holding office.

SEC. 8. *Privileges of Members.*—Any citizen of this State being a life member of this society, shall be furnished with a personal badge for his separate use, which shall entitle him to admission to all the exhibitions of the society, the quarter-stretch, the Grand Stand at Park, during his lifetime, and a separate ticket for the use of his wife and minor children only, which will entitle them to admission to all the exhibitions of the society, each day, as follows: a coupon for the Park (morning), a coupon for the Park (afternoon), a coupon for Pavilion (afternoon and evening), and shall be permitted to compete for premiums in any and all departments.

Annual members will be furnished with a ticket that will entitle him, accompanied by a lady, and one child under fifteen years of age, or, if purchased in the name of a lady, will admit the owner and lady, and one child under fifteen years of age, twice daily at Park and Pavilion, and permission to compete for premiums in any and all departments.

SEC. 9. *Expulsion of Members.*—Any member who shall present for exhibition any article or animal which he is not entitled by the rules of the society to exhibit, or who shall attempt to deceive, or be guilty of a breach of good faith toward the society, may be expelled by a vote of two thirds of the members present at any meeting of the Board; *provided, always,* that no member shall be expelled unless written notice of the alleged offense shall have been served on him, or left at his usual place of residence at least twenty days previous to the action.

OFFICERS.

SEC. 10. The officers of this society shall consist of twelve Directors, to be appointed by the Governor, who shall constitute a State Board of Agriculture, seven of whom shall constitute a quorum. The Board shall be charged with the exclusive management and control of the State Agricultural Society as a State institution; shall have possession and care of its property, and be intrusted with the direction of its entire business and financial affairs; shall have power to make all necessary changes in the constitution and rules of the society; shall provide for an annual fair or exhibition by the society of all the industries and industrial products of the State, at the city of Sacramento, and such other exhibition as they may deem important. They shall elect one of their members as President of the Board and society, and a Treasurer and Secretary, not members of the Board.

They may also appoint, annually, as officers of the Board, a chemist, a botanist, a mineralogist, a geologist, a metallurgist, an ornithologist, and an entomologist, and define the duties of each. They may appoint such committees on the various departments of agriculture, mining, and manufactures, either generally or for specific purposes, as they may deem important for the best interests of the State, and require such committees to report the result of their investigations to the Board at such times as may be named by them.

SEC. 11. Duties of President.—The President shall preside at all meetings of the Board and of the society; shall have power to call special meetings of the Board when necessary, and at the written request of ten members may call extra meetings of the society; shall appoint all meetings not otherwise provided for; and shall sign all financial and official documents emanating from the society, and not otherwise provided for. In the absence of the President from any meeting of the Board or society, any Director may be called to the chair, and, during such meeting, and for the completion of any business transacted, or ordered at the same, shall have the same powers as the President.

SEC. 12. Duties of Secretary.—The Secretary shall conduct the correspondence of the Board or society, keeping copies of all important letters written in the name or on behalf of the Board or society, holding the same free to the inspection of any member of the Board or society, at any regular meeting of the same. He shall also receive and file all letters addressed to the Board or society, holding the same subject to the Board of Directors. He shall attend all meetings of the society and the Board, keeping a full record of the proceedings of each in a book for that purpose. He shall prepare and publish all notices of meetings, shall keep a roll of standing committees, and call the same (noticing absences) whenever desired to do so by the Chair; shall sign all certificates for honorary and corresponding and life memberships, and forward the same to those entitled to receive them. He shall keep, in a book prepared for that purpose, the name and address of every member; shall prepare and sign all gratuitous or complimentary cards or tickets of admission; shall countersign all diplomas, certificates of merit, etc., awarded by the Board, and forward the same to their respective claimants. He shall be ex officio Librarian; shall keep the seal and all the plates, dies, engravings, etc., belonging to the society, and shall cause to be struck therefrom such medals and impressions as may, from time to time, be required. He shall have charge of all specimens, models, plants, seeds, books, etc., and arrange, prepare, or distribute the same under the direction of the Board. He shall prepare all reports to be made by the Board to the society, and to the State. He shall receive all moneys due or payable to the society, and pay the same to the Treasurer, taking his receipt therefor; shall hold all bonds filed by officers of the society for the faithful performance of their duty, and all vouchers for every class of expenditure. He shall countersign all drafts ordered by the Board, and all certificates of annual and life membership, and keep an account of the same in a book as they are issued, and shall, in December of each year, prepare a tabular statement of the receipts and expenditures of the Board according to the law organizing the same.

SEC. 13. Duties of the Treasurer.—The Treasurer shall receipt for all funds at the hands of the Secretary, and shall disburse the same only on the order of the Board, attested by the President and the Secretary. He shall also hold in trust all certificates of stock, and shall transfer, invest, or dispose of the same only by direction of the Board. He shall file with the Secretary a bond for the faithful performance of his duties, said bond to be approved by the Board, and shall, at the annual meeting, make to the society a detailed report of all his transactions.

STANDING COMMITTEES.

SEC. 14. Committee of Finance.—The Committee of Finance shall consist of five members of the Board, the President being one, whose duty it shall be to audit the Secretary's and Treasurer's accounts, to examine and approve all bills before they are paid, to have general supervision of the finances of the society, and to report their transactions and the financial condition of the society in full to the Board whenever called on so to do.

SEC. 15. Library Committee.—The Library Committee shall consist of four members of the Board, and the Secretary, whose duty it shall be to have the general supervision of the library and cabinet, and make all necessary rules and regulations for the government of the same (said rules and regulations being subject to the approval of the Board), to suggest such means for the safe-keeping and enlargement of both the library and cabinet as they may deem expedient, and to make a full report of their transactions, together with the state of the department under their charge, at each annual meeting.

SEC. 16. Visiting Committee.—The Visiting Committee, to be appointed by the Board from their own number, shall visit and examine all farms, orchards, vineyards, nurseries, field crops, irrigating works, agricultural machine works, agricultural machinery in operation, etc., which may be entered for competition, and which require examination at other times and places than the annual fair; to award premiums for the same according to the schedule, and recommend such gratuities as they may deem proper, and make a full report to the Board at least one day previous to the annual fair.

SEC. 17. Printing and Publication Committee.—The Committee on Printing and Publication shall consist of five (the President and Secretary being two), whose duty it shall be to contract for and superintend, under the direction of the Board, all printing and publishing necessary for the society.

OFFICE AND ROOMS.

SEC. 18. The office, rooms, library, and cabinet of the Board and society shall be permanently located at the capital of the State.

LAW RELATING TO DISTRICT AGRICULTURAL ASSOCIATIONS.

AN ACT

TO FORM AGRICULTURAL DISTRICTS, TO PROVIDE FOR THE FORMATION OF AGRICULTURAL ASSOCIATIONS THEREIN, AND FOR THE MANAGEMENT AND CONTROL OF THE SAME BY THE STATE, AND TO REPEAL SO MUCH OF AN ACT ENTITLED "AN ACT TO FORM AGRICULTURAL DISTRICTS, TO PROVIDE FOR THE FORMATION OF AGRICULTURAL ASSOCIATIONS THEREIN, AND FOR THE MANAGEMENT AND CONTROL OF THE SAME BY THE STATE," APPROVED APRIL 15, 1880, AND OF ALL ACTS AMENDATORY THEREOF, AS ARE IN CONFLICT HEREWITH.

[Approved March 20, 1891.]

The People of the State of California, represented in Senate and Assembly, do enact as follows:

SECTION 1. The several counties of this State are divided and classified into agricultural districts, and numbered as follows, to wit: The counties of San Francisco and Alameda shall constitute Agricultural District No. 1. The counties of San Joaquin and Calaveras shall constitute Agricultural District No. 2. The counties of Butte and Colusa shall constitute Agricultural District No. 3. The counties of Sonoma and Marin shall constitute Agricultural District No. 4. The counties of San Mateo and Santa Clara shall constitute Agricultural District No. 5. The county of Los Angeles shall constitute Agricultural District No. 6. The county of Monterey shall constitute Agricultural District No. 7. The county of El Dorado shall constitute Agricultural District No. 8. The counties of Del Norte and Humboldt shall constitute Agricultural District No. 9. The counties of Siskiyou and Trinity shall constitute Agricultural District No. 10. The counties of Plumas and Sierra shall constitute Agricultural District No. 11. The counties of Lake and Mendocino shall constitute Agricultural District No. 12. The counties of Sutter, Yolo, and Yuba shall constitute Agricultural District No. 13. The county of Santa Cruz, save and except that part thereof southeast of the line beginning at a point where the Aptos Creek empties into the bay of Monterey, and extending directly northeast to the boundary line of Santa Clara County, shall constitute Agricultural District No. 14. The counties of Tulare and Kern shall constitute Agricultural District No. 15. The county of San Luis Obispo shall constitute Agricultural District No. 16. The county of Nevada shall constitute Agricultural District No. 17. The counties of Alpine, Mono, and Inyo shall constitute Agricultural District No. 18. All that portion of Santa Barbara County lying east of the Gaviota and south of the Santa Ynez Mountains shall constitute Agricultural District No. 19. The county of Placer shall constitute Agricultural District No. 20. The county of Fresno shall constitute Agricultural District No. 21. The county of San Diego shall constitute Agricultural District No. 22. The county of Contra Costa shall constitute Agricultural District No. 23. All that part of Santa Cruz County southeast of a line beginning at a point where the Aptos Creek empties into the bay of Monterey, and extending in a direct line northeast to the boundary line of Santa Clara County, shall constitute Agricultural District No. 24. The county of Napa shall constitute Agricultural District No. 25. The counties of Sacramento and Amador shall constitute Agricultural District No. 26. The county of Shasta shall constitute Agricultural District No. 27. The county of San Bernardino shall constitute Agricultural District No. 28. The county of Tuolumne shall constitute Agricultural District No. 29. The county of Tehama shall constitute Agricultural District No. 30. The county of Ventura shall constitute Agricultural District No. 31. The county of Orange shall constitute Agricultural District No. 32. The county of San Benito shall constitute Agricultural District No. 33. The counties of Modoc and Lassen shall constitute Agricultural District No. 34. The counties of Merced and Mariposa shall constitute Agricultural District No. 35. The county of Solano shall constitute Agricultural District No. 36. All that portion of Santa Barbara County not included in Agricultural District No. 19 shall constitute Agricultural District No. 37. The county of Stanislaus shall constitute Agricultural District No. 38.

SEC. 2. Where two or more counties shall constitute an agricultural district, each county shall be represented in the District Board of Directors by at least two resident citizens as Directors in said Board; *provided*, that when, by reason of the formation of a new agricultural district, a Director of one district becomes a resident of another, his term of office as Director will expire in sixty days after the formation of the new agri-

cultural district. Whenever the Board of Directors of two or more agricultural districts shall, by a majority vote of each Board, elect to unite, the said several districts may associate as one district, and hold a fair in any of said districts, and may, for such purpose, draw the appropriation for all of said districts, and expend the same for said fair in like manner as in the case of one district holding a separate fair.

SEC. 3. Any fifty or more persons, representing a majority of the counties within any one of the districts above constituted, may form an association for the improvement of the material industries within such district, and when so formed the association shall be known and designated by the name of — Agricultural Association, and by such name and style shall have perpetual succession, and shall have power and authority to contract and be contracted with, to sue and be sued, to have and use a common seal, to purchase and hold and lease real estate, with such buildings and improvements as may be erected thereon, and may sell and lease and dispose of the same at pleasure. The said real estate, except as hereinafter provided, shall be used by such association for the purpose of holding exhibitions of horses, cattle, and other stock, and of the agricultural, horticultural, viticultural, mechanical, manufacturing, and domestic products of such district, with view to the improvement of all industries in the same. But the said association shall have the power, and are hereby authorized, to sell and convey any portion of the real estate held by it, by whatever title derived, which may not be necessary for the permanent use of said association for the purposes aforesaid.

SEC. 4. The officers of such association shall consist of eight Directors, who shall constitute a District Board of Agriculture for District Number —; a President, who shall be one of their number; and a Secretary and Treasurer not of their number.

SEC. 5. Within ten days after the formation of any new agricultural association within any of the districts above constituted in accordance with the provisions of this Act, and notice of such formation to the Governor, the Governor shall appoint eight resident citizens of such district as members of a District Board of Agriculture for said district, whose term of office shall be four years, except as hereinafter provided.

SEC. 6. Within ten days after their appointment, the persons so appointed shall qualify as required by the Constitution, and shall meet at a place within the district and organize by the election of one of their number as President of the Board and association, who shall hold said office of President one year, and until his successor is elected; they shall also elect a Secretary and Treasurer.

SEC. 7. At the same meeting the members of the Board shall, by lot or otherwise, classify themselves into four classes of two members each. The term of office of the first class shall expire at the end of the first fiscal year; of the second class, of the second fiscal year; of the third class, of the third fiscal year; and of the fourth class, at the end of the full term of four years. The fiscal year shall be from December first to December first; *provided*, that all officers of agricultural districts now in office under any law heretofore passed shall hold office for the term for which they were appointed, except in cases specified in section two of this Act. And the agricultural associations heretofore established shall be continued in force and, so far as applicable, are made agricultural associations under this Act.

SEC. 8. Each association so formed and organized is hereby declared and shall be recognized a State institution, and the Board so appointed and qualified shall have the exclusive control and management of such institution for and in the name of the State, and shall have the possession and care of all the property of the association, and shall fix the terms of office and bonds of the Secretary and Treasurer, and determine their salaries and duties. They shall have power to make all necessary by-laws, rules, and regulations for the government of the association and the management of its prudential and financial affairs. They shall provide for an annual fair or exhibition by the association of all the industries and industrial products in the district, at such time and place as they deem advisable; *provided*, that no District Fair shall be held in any of the districts at the same time of the State Fair; and *provided further*, that the State shall in no event be liable for any premium offered, or award, or for any debt contracted by any District Board of Agriculture or Agricultural Association.

SEC. 9. When any District Board of Agriculture shall have been classified and organized, as herein provided, the Secretary of the Board shall report such classification and organization to the State Board of Agriculture. He shall also report the same to the Governor, and shall report any vacancy that may occur in the Board to the Governor, who shall fill the same by appointment for the unexpired term.

SEC. 10. Whenever any such association shall desire to sell any portion of its real estate not needed for the permanent use of the association, for the purposes specified in section two, and such real estate be held by such association under a deed or deeds of trust conveying the said lands in trust, to be held in perpetuity as a place for holding agricultural exhibitions or fairs, or for other permanent purposes of such association, it shall be lawful for such association to file its complaint in the Superior Court of the county in which such lands are situated, setting forth the nature of the title under which they are held, and that it is the desire of the said association to sell and dispose of such real estate, and praying for judgment authorizing it to sell and convey the same. In such action the trustee or trustees in such deed or deeds, or the survivor or survivors of them, or the heirs or administrators, or executors of deceased trustees, as the case may require, shall be made parties defendant; and upon service of the summons upon such defendants personally, or by publication, or upon their appearance, the Court shall have full jurisdiction in the premises; and the deed executed under and in pursuance of the

judgment of the Court shall be valid and effectual to convey to the purchaser the title of said association, and that of all of its predecessors in title made parties to the suit.

Sec. 11. So much of an Act entitled "An Act to form agricultural districts, to provide for the organization of agricultural associations therein, and for the management and control of the same by the State," approved April fifteenth, eighteen hundred and eighty, and of the several Acts amendatory thereof, and as are in conflict herewith, are hereby repealed.

Sec. 12. This Act shall take effect from and after its passage.

AGRICULTURAL DISTRICTS

ORGANIZED UNDER AN ACT APPROVED APRIL 15, 1880, AND AMENDED
MARCH 6, 1883; MARCH 14, 1885; MARCH 9, 1887; MARCH 6, 1889; MARCH
20, 1891.

- No. 1. The counties of San Francisco and Alameda shall constitute Agricultural District No. 1.
- No. 2. The counties of San Joaquin and Calaveras shall constitute Agricultural District No. 2.
- No. 3. The counties of Butte and Colusa shall constitute Agricultural District No. 3.
- No. 4. The counties of Sonoma and Marin shall constitute Agricultural District No. 4.
- No. 5. The counties of San Mateo and Santa Clara shall constitute Agricultural District No. 5.
- No. 6. The county of Los Angeles shall constitute Agricultural District No. 6.
- No. 7. The county of Monterey shall constitute Agricultural District No. 7.
- No. 8. The county of El Dorado shall constitute Agricultural District No. 8.
- No. 9. The counties of Del Norte and Humboldt shall constitute Agricultural District No. 9.
- No. 10. The counties of Siskiyou and Trinity shall constitute Agricultural District No. 10.
- No. 11. The counties of Plumas and Sierra shall constitute Agricultural District No. 11.
- No. 12. The counties of Lake and Mendocino shall constitute Agricultural District No. 12.
- No. 13. The counties of Sutter, Yolo, and Yuba shall constitute Agricultural District No. 13.
- No. 14. The county of Santa Cruz, save and except that part thereof southeast of the line beginning at a point where the Aptos Creek empties into the bay of Monterey, and extending directly northeast to the boundary line of Santa Clara County, shall constitute Agricultural District No. 14.
- No. 15. The counties of Tulare and Kern shall constitute Agricultural District No. 15.
- No. 16. The county of San Luis Obispo shall constitute Agricultural District No. 16.
- No. 17. The county of Nevada shall constitute Agricultural District No. 17.
- No. 18. The counties of Alpine, Mono, and Inyo shall constitute Agricultural District No. 18.
- No. 19. All that portion of Santa Barbara County lying east of the Gaviota and south of the Santa Ynez Mountains shall constitute Agricultural District No. 19.
- No. 20. The county of Placer shall constitute Agricultural District No. 20.
- No. 21. The county of Fresno shall constitute Agricultural District No. 21.
- No. 22. The county of San Diego shall constitute Agricultural District No. 22.
- No. 23. The county of Contra Costa shall constitute Agricultural District No. 23.
- No. 24. All that part of Santa Cruz County southeast of a line beginning at a point where the Aptos Creek empties into the bay of Monterey, and extending in a direct line northeast to the boundary line of Santa Clara County, shall constitute Agricultural District No. 24.
- No. 25. The county of Napa shall constitute Agricultural District No. 25.
- No. 26. The counties of Sacramento and Amador shall constitute Agricultural District No. 26.
- No. 27. The county of Shasta shall constitute Agricultural District No. 27.
- No. 28. The county of San Bernardino shall constitute Agricultural District No. 28.
- No. 29. The county of Tuolumne shall constitute Agricultural District No. 29.
- No. 30. The county of Tehama shall constitute Agricultural District No. 30.
- No. 31. The county of Ventura shall constitute Agricultural District No. 31.
- No. 32. The county of Orange shall constitute Agricultural District No. 32.
- No. 33. The county of San Benito shall constitute Agricultural District No. 33.
- No. 34. The counties of Modoc and Lassen shall constitute Agricultural District No. 34.
- No. 35. The counties of Merced and Mariposa shall constitute Agricultural District No. 35.
- No. 36. The county of Solano shall constitute Agricultural District No. 36.
- No. 37. All that portion of Santa Barbara County not included in Agricultural District No. 19 shall constitute Agricultural District No. 37.
- No. 38. The county of Stanislaus shall constitute Agricultural District No. 38.

REPORT.

OFFICE OF THE STATE BOARD OF AGRICULTURE, }
SACRAMENTO, February 1, 1892. }

His Excellency H. H. MARKHAM, Governor of California:

SIR: The termination of our fiscal year on this date, suggests a review to you of our transactions for the year 1891. In compliance we herewith submit a full report of our transactions for that period, accompanied by such ideas and suggestions as deemed pertinent to the industry we represent, as well as some valuable papers upon special branches of agriculture.

In accordance with law, we append reports of the various District Agricultural Societies.

THE EXHIBITION OF 1891.

The stimulus given agricultural interests, and trade in general, by the annual State Fairs is quite apparent, as each succeeding exhibition brings to view new and useful displays of our agricultural, mechanical, and industrial resources. Their value is obvious.

The Pavilion display of 1891 was fully up to the standard of excellence and variety as any of the former years, and the interest taken by exhibitors to secure location for their exhibits was such as would indicate a demand for an annual occurrence of this character. The floor space of our Exhibition Building is one hundred and ten thousand feet, exclusive of promenade galleries, and would seem sufficient for all that desire to take advantage of these exhibitions, but it is yet inadequate to accommodate all who apply. Our Machinery Department is sadly deficient in scope to accommodate all applicants, and its arrangement very unsatisfactory to both exhibitors and the Board of Directors. This department of our Pavilion exhibit is one of the most important branches of the interest represented. Herein should be shown every device and implement valuable to the soil worker, but until some effort is made to furnish better quarters our machinery exhibit will be deficient in comparison to what it would be if suitable quarters were to be had.

The Pavilion portion of the Annual Fair embraces a grand variety of exhibits, representing our agricultural, mechanical, and industrial resources, the character of which would certainly do credit to a much older State than California.

Of our agricultural displays we are justly proud, wherein each season will be found specimen samples of every character of soil products to be found in any country, and these produced in some portion of our most bountiful State.

The formation of the soil in California greatly varies in its different sections, which, with like varieties of climate, gives to us natural advantages in almost every county, as it were, thereby permitting a thorough

development of agricultural possibilities, and making for California what she is—the most favored and productive commonwealth of our Union.

An elaborate and comprehensive exhibit of our agricultural capabilities was made by each of the following counties, to which the awards were made in order named: Colusa, Placer, Yolo, Sacramento, Sonoma, and Tulare. These collections embraced a full complement and variety of cereals, fruit, vegetables, wool, and wine of such character as our State is capable of producing, and which, by reason of their magnitude and elegance, singly or collectively, deserved a larger field for examination than was here afforded, as either of these displays would have fully represented the agricultural interests of California at any international exhibition.

Therein was to be seen all character of soil productions, showing that the highest state of agricultural development had been attained, from the rosy apple of the north, to the toothsome banana of the south, all commingling in a most attractive manner, thereby showing that the territory embracing these, as well as other counties of California, is favored with that soil and climate which admits of successful agriculture in its fullest scope.

Competition between localities of their productive merits has a most healthy effect, compelling as it does each to show their fullest advantages; the homeseeker is given the utmost opportunity to make comparisons in no other way so satisfactorily obtained.

As a disseminator of the capabilities of the various parts of the State, the Annual Fair is of great value; without a like opportunity the practical knowledge of the agricultural advantages of some localities would, to a great extent, be hidden from the outside world and left entirely to the ebullition of the boom circulars. But facts properly presented speak for themselves, and when they have an official indorsement of an institution like the one here represented, are of value when the advantages of the particular section are being advocated.

So much has been said of the favorable advantages of our State that we who are fully cognizant of its true worth, feel loth to longer sing its praises. But, in referring to these exhibitions, no description can be given without reiterating much that has been said, and to us most familiar; but by the non-resident who is seeking information as to our productive qualities, these references are appreciated.

In mechanical and industrial lines the advantages offered at the Annual Fairs are readily recognized by the manufacturers of implements and commodities for public use, and they are not slow in preparing for exhibition all improved efforts in their various callings.

The continual improvements and rapid stride made in agricultural machinery has caused the purchaser to dwell and examine in comparison the various implements offered for preparing the soil and harvesting the crops, and it is to this end the manufacturer and farmer meet at these Annual Fairs.

There is an existing and growing demand for inventions in agricultural machinery that will perceptibly lessen the expense and increase rapidity of action in the handling of the soil and its products. As a rule, soil productions must be, by the grower, handled with alacrity. This demand stimulates the inventor to action; hence, there is a constant watch for improved machinery of this character.

From a commercial standpoint, the State Fair of 1891 was a most pronounced success. The merchant, with ambition to cater to trade, was an early applicant for space, and the arrangement of his exhibit of goods and wares was attractive and showy. No sales being permitted, the visitor had unrestricted liberty of examining the various trade displays to his own satisfaction. It is for the people, both buyers and sellers, that these exhibitions are maintained, and, judging from the success of each annual gathering, we are sure they are appreciated.

The Park exhibit of 1891 embraced a full and varied line of improved live stock, which was of unusual merit and attractiveness. In this portion of our annual exhibition we also take pride, well knowing what this industry has done for the State.

What it has accomplished for California it had previously performed for the great States of Kentucky and Tennessee, giving to them alone the world-wide reputation of breeding a class of live stock incomparable in symmetry, action, and endurance.

In those older States the citizen encouraged the advancement of this industry both in public and in private, and nothing therein exceeded its popularity and profit to the States named.

We, as a State, should feel a pride in what has been here accomplished in this line of production, and say no attempt should be made by legislative action, or anything else that would tend to cripple an industry that rolls together as much taxable property and calls for investment of capital to the extent as does the breeding of live stock. Further on we give a more extended review of this subject; but now, to the exhibition we desire to more fully refer.

In our premium list will be found special inducements for exhibits of all improved breeds of live stock, classified as follows:

Horses.—Thoroughbreds, standard trotters, roadsters, Cleveland bays and French coach, carriage and roadster teams, horses of all work, drafts of all classes—Normans, Percherons, Clydesdales—saddle horses, jacks, jennies, and mules.

Cattle.—Durhams, Devons, Herefords, Angus-Galloways, Red Polled, Holsteins, Jerseys, Guernseys, Ayrshires, with herds under each class, and sweepstakes for milk and beef breeds.

Sheep of all classes, goats, swine of all breeds, and poultry. Thus is a complete schedule made, with cash premiums for all.

Over one thousand head of stock (exclusive of racing stock) competed for premiums at the State Fair of 1891, divided as follows:

| | |
|--------------|-----------|
| Horses | 337 head. |
| Cattle | 467 head. |
| Sheep | 128 head. |
| Swine | 128 head. |

In this department was distributed over \$7,000 in cash premiums. The Racing Department at the State Fair is a necessary and valuable adjunct, and in its encouragement we not only assist a very meritorious and important portion of our Live Stock Department, but obtain remuneration wherewith to meet expenses of the institution, thereby enabling us to use the State money for premiums. No institution of the State costs the taxpayers as little money to maintain as does this Society. At the Pavilion our exhibits numbered over two thousand, divided as follows:

| | |
|---|---------------|
| Second Department—agricultural machinery..... | 311 exhibits. |
| Third Department—textile fabrics..... | 305 exhibits. |
| Fourth Department—mechanical products..... | 301 exhibits. |
| Fifth Department—agricultural products..... | 295 exhibits. |
| Sixth Department—fruits, etc..... | 393 exhibits. |
| Seventh Department—fine arts..... | 550 exhibits. |
| Eighth Department—county exhibits..... | 8 counties. |

Cash premiums were distributed in above departments in value as follows:

| | |
|---------------------------------------|-------------|
| Second Department..... | \$1,105 00 |
| Third Department..... | 638 00 |
| Fourth Department..... | 1,025 50 |
| Fifth Department..... | 1,363 50 |
| Sixth Department..... | 1,189 00 |
| Seventh Department..... | 1,155 00 |
| Eighth Department..... | 2,300 00 |
| Medals, diplomas, etc., in value..... | 1,000 00 |
| Total Pavilion..... | \$9,778 00 |
| Total Park..... | 7,000 00 |
| Grand total..... | \$16,788 00 |

Thus will it be seen that nearly our entire appropriation is devoted to premiums; the remainder is used in caring for the State property. Our entire expenses, which are much more than the amount appropriated by the State, are met from resources of the institution itself. We claim that the opportunities of our annual exhibition, for the public to view and the producer to show the industries of our State, are of untold value to the community, and we feel a pride in being an important factor in the furtherance of science, in not only agriculture, but in mechanical and commercial interests as well.

Our record shows that we have accomplished more, at a given outlay, in attracting attention to California's resources than has any similar institution in the history of the State.

THE SEASON OF 1891.

As was predicted in our report of the preceding year, the season of 1891 has given us an abundant yield, with accompanying prosperity throughout the State.

Our production of cereals has been most satisfactory, and the prices realized were much better than for years past. Gold still springs from our prolific soil, but in different shape than when first dug from the mountain sides alone. The valleys now join the hills in putting forth annually the metallic substance, but in a form wholly opposite to the mineral output of old.

In a vegetable form we reap the golden ducats from portions of the State unknown to mineral in soil formation. But as the lifting of this bountiful metal from mother earth, in its metallic form, still continues within the confines of California, we can but congratulate our brethren that follow the vocation of mining upon the happy union in a State where agriculture and mining make up its principal resources; and where both industries are worked side by side to the detriment of neither, but of interest to all, it is but just that each should receive merited encouragement from a prosperous community.

The yield of wheat for 1891 was not as great in quantity as was expected early in the season; the lack of acreage caused this situation.

No increase has been made in our acreage for many seasons, and until it is done our yield, with fair seasons, will be kept at about the same figure.

The returns for 1891 show nearly the same acreage to wheat as in 1890, as also does the crop, it being between thirty-five and thirty-six million bushels from an area of three million acres.

The gradual decrease of our surplus each season will have a tendency to encourage increased acreage, and it will be forthcoming, as we have the territory to double our output as fast as prices will justify its seeding.

In this volume will be found a complete review of the wheat and barley market, together with tabulated statements of receipts and exports for the season of 1891, compiled and furnished through the courtesy of Mr. T. C. Friedlander, of the Produce Exchange.

With nearly \$30,000,000 worth of wheat to export we are pleased to turn with extended hand and smiling countenance to congratulate the wheat grower who has, with great persistence, adhered to his calling, though during the past few years prices have been such as to cause dismay among the furrows and consternation amid the stubble. We hope to see fictitious values in our wheat lands entirely removed, thereby permitting a larger area to the cultivation of this staple of all staples, to the end that California shall reach, where she is justly entitled, by reason of scope and productiveness of soil, the first place in the list of wheat-producing States of this Union. The abolition of false values on considerable of our land will enable the farmer to seed his \$100 per acre land to wheat, at a valuation of \$50 per acre. Then additional prosperity will follow, and the lands that are now idle, at a figure valuation that precludes cultivation for anything but the highest priced garden truck, will be waving in golden grain, and make returns satisfactory to the owner.

Never has the outlook for wheat growing been better than at the present time. The consumption is fast exceeding the world's supply, as is plainly shown by the statistical showing recently made by J. E. Beerbohm, of 28 Bishopgate Street, London, England, who is authority upon the subject. His compilation shows that in the year 1887 the surplus of wheat was 15,868,000 quarters, or 126,944,000 bushels, with the world's crop at 282,118,000 quarters, and in 1888 the surplus was a little over 2,000,000 quarters. For the three years following the consumption exceeded the production by over 8,000,000 quarters, 3,000,000 quarters, and 2,950,000 quarters, respectively. At this ratio the surplus will soon become absorbed, and increased production must be necessary; the wheat grower therefore has an outlook that should stimulate him to an increase in acreage of this great cereal. Prices will remain firm for some time to come, so that the farmer has a brighter outlook for future prosperity in his calling than for many years past.

The fruit yield for 1891 was as large as usual, and in many cases the results as satisfactory. The grower that sold his fruit outright to shippers realized as well as during previous years. But those that shipped direct felt the weight of depression caused by meeting the great crop produced in the East this season, or by the unfavorable condition their fruit arrived in. This obstacle was wholly unlooked for by the shipper, and no provision could be made against it. It was occasioned by an unusually hot wave that swept over the State at about ripening time of a great portion of our fruit crop, and just before the fruit was picked for

packing. It caused premature ripening, thus blackening the fruit on the inside next to the pit—a species of early decay. The sales of green fruit to canners, and that dried, failed to return as much on the whole as in years past, when the demand for green fruit for shipping purposes almost consumed the supply; but living prices prevailed, and all fruit in good condition brought ready sale. We have heard of cases where dissatisfaction prevailed as to prices, or loss of demand, and in almost every instance it was ascertained that the fruit was in poor condition, which fact precluded sale at any figure. The glut in the Eastern market was favorable to the packers here, where they are usually required to meet prices given for shipping fruit or put up an inferior grade; and we are not sure whether or not it is just as well for the producer to sell his fruit to the canner, as it gives the fruit interest a backset to have an inferior class canned, and with fair prices the canner is more likely to put up a better pack as a whole.

The setback the shippers of green fruit received this past season is no exception to the rule when compared with the handling of other productions of the soil; this is likely to occur with the vegetable and grain grower, and has more often than with the fruit grower. In all productions some years are more favorable than others, and the favorable ones predominate. The principal cause of losses to shippers in 1891 was the enormous yield of fruit east of the Rocky Mountains, thereby lessening the usual demand for our fruit. Shortness of crops there creates an increased demand, as has been the case for the past four or five seasons. This last year the usual order of things was reversed in respect to the ripening of fruit; in the East it was two weeks earlier than usual, while with us it was two weeks later, hence we fell against an unusual yield at an unusually early period. Our fruit crop is generally far advanced on the market when the Eastern yield is ripening, so that we have the field for a long period without opposition; then, again, our fruit lasts longer in the season than that of the East, so that we get the benefit of an opening and closing market, which gives our growers advantages not to be obtained elsewhere.

Notwithstanding the temporary depression occasioned by reasons above given, the usual activity in tree planting is now going on, and the close of the planting season will find a large increase of acreage to trees.

The outlook for 1892 is as promising as was that for 1891. Our rains have come in such shape as to enable the planting of a large area of land to grain. All is now seeded, and with the continuation of favorable weather, a grand growth will be had, which, with a few spring showers, will give us an increased output over 1891. With a settled and prosperous people, the annual yield of the necessities of life that are lifted from our prolific soil should encircle California's brow with a wreath of contentment to last for all time. No future is brighter than ours; no land more gifted.

IRRIGATION.

The opening of the Woodbridge Canal during the past year was an important occurrence to the soil-workers of Central California. The lesson to be learned from this first attempt at irrigation by canal in this section of the State will be profited by as soon as its accomplishments are apparent to the observer of modes and methods, and who profits only by object lessons. Knowledge obtained by many in any other manner

is looked upon as theoretical, and the great drawback thus far to some of our California farmers has been their indifference to publications bearing on their vocations. Now that the ice is broken, and the usefulness of water will be practically demonstrated, we hope to soon see a multiplication of just such enterprises throughout the upper portion of California. To be sure, the success of the country does not wholly depend upon irrigation, but observe the great impetus it gives a community; how it brings multiplied richness out of our soils; how it aids fertility; how it improves and lends an enchantment to surroundings heretofore dull in the extreme. Older countries have experimented to a high state of perfection on the test of increased capacity of land when assisted by water, and it has been satisfactorily demonstrated to be, with perfect drainage, of twentyfold benefit.

The Woodbridge Canal taps the Mokelumne River at Woodbridge, in San Joaquin County, and carries the water along the highest possible point south towards the city of Stockton. The opening of this canal means a sudden spurt of substantial and permanent prosperity to the section covered, and as it embraces nearly one hundred thousand acres of irrigable area, it is of no little importance to this State. With a thorough system of irrigating canals amid the central and upper portions of this State, the entire width of the Sacramento and San Joaquin Valleys could be made as productive and valuable as is the lands that lie adjacent to the great natural watercourses of both these valleys.

The value alone to the cultivation of alfalfa as a forage plant, both in its green and dried state, cannot at this time be calculated. All who are concerned in the breeding of live stock, nay, all who own for use any stock, can readily testify to the great value of this wonderful plant. With an extension of its growth, feed for stock would become more plentiful and cheaper to the consumer, whereas by reason of its continual growth and prodigious capacity to yield when assisted by water, the producer would reap much more in returns than he now does with an insufficient yield of other fibrous plants used for pasturage or cured for hay. In another portion of this report we will more fully refer to this great plant.

What irrigation has accomplished for the rich and fertile counties of Los Angeles, San Bernardino, San Diego, Fresno, Tulare, and Kern, it can perform for the extensive and favorable localities of San Joaquin, Sacramento, Yolo, Solano, Sonoma, Colusa, Butte, Tehama, and Shasta. Our mountain counties of Nevada, Placer, Amador, and Calaveras have some irrigation advantages, and are building additional works for equable distribution of that great purveyor of agricultural bloom—water. The great amount susceptible to use in the portion of the State above referred to as being without proper systems, makes it a matter of investment of capital alone. With our perfected laws and an assurance of their permanency, capital should be forthcoming to supply this, the greatest of all wants, to insure safe and profitable cultivation of our lands. We are constrained to believe that lack of faith in our legislative action, whereby there is danger of repeal of laws, thereby creating disaster among industries that come under legislative control, has much to do in this State with the non-extension of industries where large capital is required. Until some assurance is given that no laws inimical to this great industry will be passed, just so long do we fear it will not be

forthcoming. And how can this be done except by constitutional amendment?

We hope to see these apparent obstacles overcome, and the greatest breadth for action be given capital for the purpose of irrigation construction, to the end that one of our principal natural resources can be so utilized as to do the greatest good for the greatest number.

SPECIAL AGRICULTURAL ITEMS.

An essential quality in the make-up of a successful soil worker is farm contentment. We do not deny the existence of many who are thoroughly contented, but we firmly believe there is an equal amount of discontent among those who follow the vocation of farming.

There are numerous causes for this state of affairs. In the first place, lack of thrift and energy among many who live only for the day, as it were, leading a careless and neglectful existence, to which, after a time, as years roll on, realization comes in rambling thoughts of past life, or when comparison of position is made with that of a more thrifty neighbor, whose possessions are in better shape, or in the shape of a foreclosure of mortgage.

With some the meeting of their annual interest and store account gives enough satisfaction for one season, and if any surplus is on hand it is used for pleasure or luxuries at the expense of the uncanceled mortgage. In a recently well-prepared article upon "Discontent of Farm Life," by Hon. J. R. Dodge, a statistician of national reputation, we observed many truisms upon this subject, and we herewith quote liberally from it, believing it will be of interest to our readers. Of course this paper applies more directly to the state of affairs throughout the Eastern and Middle States, but inasmuch as California is similarly afflicted to some extent, we deem its reference proper. Referring to the causes, Mr. Dodge says:

"There are those, however, among farmers, and the most progressive and enterprising of their class, who will not admit that they have any special grievances or have suffered from depression. One of these writes from the West that 'the farmer who is attending to his business is as prosperous and contented, as a rule, as men in other business, and is making no complaint; that the complainer is the thriftless farmer who spends too much time in town, is ambitious for office, seeking even the little township offices, neglecting his work to attend caucuses and conventions; that many an honest complainer is led on by demagogues and place-seekers.' Another influential and representative farmer in the same region says that whatever discontent exists in his State is mainly due to the short crops and low prices of the last few years; that a shrinking income makes any man or class more or less dissatisfied; that 'the great bulk of thoughtful, intelligent farmers, men who shape largely the sentiment of the communities in which they live, understand that the recent depression in prices of farm crops has been the result of natural causes; that they regarded with greater anxiety the prohibition of American pork by Germany than the accumulation of Gould's millions; that they know there is nothing which rests with more crushing weight upon the farmer's back than his own unbusiness-like methods; and that they pay more attention to the markets than to politics, and their principal complaint is that the present system of education and state of public

sentiment toward farm life is such that the cream of American youth is skimmed into the professions.' A prominent Kansas representative of the agricultural class refers to the recent magnificent harvests and the improved state of feeling, declaring in somewhat abrupt and vigorous terms that 'discontents and demagogues find it hard work to howl into the mouth of a cornucopia.' These references, of which a multitude could be given, show that there is no absolute unanimity in any section relative to the grievances suffered or the remedies proposed. As the present purpose is to give the facts as they exist, and to show, with absolute accuracy, if only in outline, the main features of this remarkable popular manifestation, these conflicting views are presented.

"While the gradual reduction and extreme depression of prices gathered and intensified the public discontent, the restoration of satisfactory values modifies but does not dissipate it. In the primary markets corn and oats have doubled in value, and wheat and meats have materially advanced, though cotton, as a marked exception, has declined. It can doubtless be shown that, on the basis of the present average values of farm products and of manufactured goods, a day's labor in production has a higher power in the purchase of what the farmer needs, at the present time, than at any former period in the history of the country. This is not because of extraordinary farm prices, though values are 'medium to good,' but because a day's labor with present appliances produces more than ever before, and also because of the cheapening of the value of nearly all manufactured goods. Few realize the extent of this reduction in fifty years, and especially since the days of household manufactures. A recent opportunity to examine a day-book of a country merchant of 1817, in Webster, New Hampshire, showed that the farmers of that region paid 50 cents per yard for calico, 60 cents for cambric, 75 cents per pound for cotton yarn, 13 cents for a single nutmeg, and 67 cents for a common garden hoe, while they sold veal at 3 cents per pound, and farm wages were one third of the present rate.

"A return to reasonable prices is a relief to the farmer, but it does not settle the vexed questions that have disturbed his equanimity in the past, in which he believes are involved in no small degree the equities of profit-sharing in the industries and the prosperity of his future.

"The assumed causes of discontent are industrial, social, financial, and political. They are more numerous and aggravated in one geographical district than in another. In some States large numbers of farmers are unaware of the existence of any serious grievances; in some other States the rural classes are in a state of active ferment. In the former the orators of agitation encounter apathy; in the latter the public ears alert, the public mind receptive, the public heart ablaze. While these differences, which sometimes amount to contrasts, characterize in some degree large districts, there is much of differentiation in the mass of individuals of each. The farmer who is successful makes little search for grievances, and gives less thought to oppressive ills. He who suffers loss and incurs debt, whether from misfortune or miscalculation, is inclined to look outside for the adverse influences which blight his enterprise. They may exist unobserved in one case, and be very real and oppressive in the other.

"The spirit of unrest has its largest manifestation in those districts in which nature has recently been most capricious and unkind; where the sun's rays have scorched and rains have been withheld; where enthusi-

astic endeavor has been met by crop disaster, and poverty, ambitious to build a home, has been beaten by climatic weapons. Under such circumstances the burden of debt is a crushing weight, the effort for relief a financial nightmare, and the contact with greed a revelation of the depth of human depravity. In such an atmosphere of suspicion ills are magnified, the good in society becomes evil by the distortion of refraction, 'whatever is, is' wrong, and reform is made to mean abolition of existing laws and institutions. The realization of current evils is intense, the effort to combat them is honest, and the result, as the thunder storm clears the atmosphere with a minimum of destruction, promises to be purification without annihilation. Here industrial grievances lead to remedial effort through financial and political changes."

It is admitted that there are causes for discontent when superinduced by depression; but in a district of rich resources, such as is to be found in this State, the possibility of increase of discontent in farm life should be materially lessened; and it will be found that where discontent does exist, it is brought about chiefly by personal neglect in the management of affairs.

Home farmers is what any State desires, and as our population increases, and the newcomers select farming as a vocation, we hope to have a class that bring contentment with them, as in no clime have they less cause for complaint or more encouragement for farm labor in the way of profitable returns than in this rich and growing commonwealth.

OUR WOOL INTEREST.

The lack of personal attention is probably more noticeable in California among the wool-growing community than in other agricultural pursuits, which shows a very perceptible decrease in the yield of that commodity during the past decade. The first record of yearly production of wool was made in 1854, when the output was 195,000 pounds. A large increased product followed each season until it reached 56,550,970 pounds in 1876, after which the falling off in yield began, and it has continued until but 32,000,000 pounds were returned for the past season, as will be shown by the following table of wool production in California:

| | Pounds. | | Pounds. |
|-----------|------------|-----------|------------|
| 1854..... | 195,000 | 1873..... | 32,155,769 |
| 1855..... | 300,000 | 1874..... | 39,538,781 |
| 1856..... | 600,000 | 1875..... | 43,532,223 |
| 1857..... | 1,100,000 | 1876..... | 56,550,970 |
| 1858..... | 1,423,000 | 1877..... | 53,110,782 |
| 1859..... | 2,378,000 | 1878..... | 48,562,061 |
| 1860..... | 3,055,325 | 1879..... | 48,913,360 |
| 1861..... | 3,721,995 | 1880..... | 46,094,154 |
| 1862..... | 5,990,300 | 1881..... | 45,076,689 |
| 1863..... | 6,268,480 | 1882..... | 40,527,639 |
| 1864..... | 7,923,670 | 1883..... | 40,348,690 |
| 1865..... | 8,949,931 | 1884..... | 37,415,330 |
| 1866..... | 9,382,047 | 1885..... | 38,561,890 |
| 1867..... | 10,238,600 | 1886..... | 38,509,160 |
| 1868..... | 14,232,657 | 1887..... | 31,564,231 |
| 1869..... | 15,413,970 | 1888..... | 32,567,972 |
| 1870..... | 20,072,660 | 1889..... | 35,000,000 |
| 1871..... | 22,187,188 | 1890..... | 34,000,000 |
| 1872..... | 24,435,546 | 1891..... | 32,000,000 |

The principal wool-producing counties are Humboldt, Mendocino, Tehama, Butte, Sacramento, Calaveras, Merced, Kern, and Los Angeles.

The pioneers in this great industry on this coast obtained their stock sheep from Mexico, and the character of wool they produced was coarse, and very unsatisfactory for the manufacture of anything but common goods. But by the importation of a fine grade of Spanish Merino sheep from Vermont and Ohio, and the French Merino from France, and the continual crossing of these fine wool-producing sheep with our native herds, the character of wool was very materially changed until we were able to produce as fine wool in this State as was to be found anywhere; and, as is shown by the record, in sufficient quantity to attract the attention of the Eastern manufacturer, who recognized in it, by reason of its fine fiber and lengthy staple, a superior merchantable article, and it soon commanded its rightful footing in the markets of the world. But during the past ten years it has not kept its place in this respect, as by reason of inattention and neglect on the part of growers, its quality has deteriorated, thereby not commanding the price of a high grade staple, and is used chiefly for the manufacture of a lower grade of goods. This aspect of affairs has greatly discouraged the advancement of this interest in California; the same may be said of Ohio wools that were formerly the standard staple, and on which the market values were based in the United States. The position of both States has been supplanted by a superior product from the territories of the Northwest and from Australia, which now furnish nearly all the finer grades of wool for the factories. In consequence we find a stagnation in prices for our wool output, and nothing but a revolution in methods will put us back in our original position. With neglect in breeding, and inattention in packing our product, prices will continue to be from 3 to 5 cents per pound lower than that obtained by producers in other countries where strict attention is given to this industry.

We attribute the present position of our State in wool production to two causes: first, the continual inbreeding of our stock is a most serious error, as the failure to keep up an infusion of new blood greatly affects the size and constitution of the animal, giving us a weakly and puny individual of slow growth, and totally inefficient in every way to yield in quantity and character the grade of wool desired, to say nothing of the increased percentage of mortality occasioned by their being more easily susceptible to contagious diseases than are those of stronger breeding; second, the continual existence and wide-spreading prevalence of that disastrous enemy to the wool interest, the "scab," which, by reason of its easy contagion, has spread havoc among our sheep.

It is a well-known fact that a flock of sheep will contract this disease in passing over a range that had previously been visited by another flock that were inoculated with it. So difficult is its total eradication from a herd that nothing but individual attention for a long period to each animal will accomplish it; hence we say that this inattention has greatly assisted in the spread of this disease, with corresponding loss to the interest involved.

What is mostly needed for the protection of this industry in California is the passage and strict enforcement of a "scab" law, similar to that in vogue in Australia, and even in Utah, Idaho, and Wyoming Territories, requiring inspection from time to time of our herds and ranges and a thorough system of spot dressing after each shearing.

Something of this kind must be done, and at once, otherwise the sheep

interest will pass into oblivion, where it would be to-day were it not for the present high price of mutton.

The results of close attention and care of sheep are more plainly to be seen in the colony or settlement of some Basque French in Kern County. They are not citizens of the United States, nor do they own any land; simply rent winter ranges from the farmers, and in the summer they run their large herds on Government land in the mountains. They pay the strictest attention to their sheep, and immediately act when there is the slightest appearance of "scab," thereby keeping their flocks in the best of health and condition, which action enables them to run their sheep twelve months without shearing. By this method they save the expense of fall shearing, and grow a long staple that commands the top market price. They are, at the present time, growing the finest wool that is shipped out of California.

By this procedure, aliens are permitted to come right in among us, and in from three to four years accumulate a fortune and return to their native heath, and very few are even successful in mastering our language.

Another cause of the depression in this industry is the attempted use of lands for other purposes when fit only for sheep ranges. These experiments have cost the owners considerable money, and left them with an opinion that agriculture is a failure. It is here where fictitious values of real property have been a detriment to an industry that could be made profitable but for their existence. It is a conceded fact that land valued at over \$5 per acre is too valuable for sheep raising; but we have yet thousands of acres not adapted for any other use than grazing, or which by remoteness from market cannot be farmed with profit, but could be put to a most profitable use in this industry. We know of no better opening for investment of capital by a steady-going, thrifty people than that of sheep husbandry, which, with the proper care and attention, will make better returns for the amount invested than almost any other branch of agriculture.

OUR WINES.

Insufficient capital, necessity to realize, and undue competition by introduction of inferior grades, were the principal agents that threatened destruction to our wine interests in California for several years past, and the result of the crusade was keenly felt by many growers. But now that the business of manufacturing and marketing has arrived at a systematic basis of procedure, brought about by consultation and coöperation, the danger seems to be over, and the future more satisfactory than ever to the grower.

Then, again, our annual production has fell off about one half in the past three years, owing to phylloxera and other causes, so it will be some time before as large a production as that of 1887 will be forthcoming, as many growers have substituted resistant vines for the old ones that were killed by the phylloxera, and by reason of a very small increase in acreage.

The wine product of California for 1891 was 15,000,000 gallons, of which 3,000,000 gallons were used for sweet wines and brandies, giving us 12,000,000 gallons of dry wine for consumption.

It is estimated that there is used annually about 18,000,000 gallons of California wine in the United States, so that the shortage in yield in

1891 is about 3,000,000 gallons. With this falling off in yield, and the growing foreign demand for our product, the future for the grower is indeed bright, but for their own protection a uniform price should be agreed upon and lived up to for the sale of our wines, which would have a tendency to keep prices up, and to prevent sales of an immature article at a less figure, as suspicion of its genuineness would surely follow wines thus handled.

We are of the opinion that bottom prices for both grapes and wines have been reached, and their advance will be sure to come, perhaps slow, but steady.

CITRUS CULTURE.

The ripening and shipment of oranges and other citrus fruits in car-load lots from the hills sloping west from the Sierra Nevada Mountains, at a season of the year covering the months of December, January, and February, indicate fully the possibilities of California in a productive sense. Here is to be obtained the earliest and latest deciduous and the earliest and latest citrus fruits, making for us a continual season of productiveness. What other country can show similar, not to say better, advantages for soil cultivation?

Beginning January 11, 1892, and continuing one week, was held the Northern Citrus Fair of California. The exhibits that made up this most commendable display of citrus culture were grown in the counties of Butte, Yuba, Sutter, El Dorado, Nevada, Placer, Yolo, Tehama, Sonoma, and Sacramento. Other counties adjacent to those named have equal advantages for the growth of this character of fruit, but unfortunately were not, as they should have been, represented at the exhibition.

This, the third State Citrus Fair of the section of the State mentioned, was held at Auburn, the county seat of Placer County, located on the line of the Central Pacific Railroad, at an elevation of about one thousand five hundred feet, on its course over the Sierra Nevada Mountains, and within a few miles of the snow belt of that great range of mountains, and was first settled as a mining camp. Its surroundings are most representative of the early mining days of California. Auburn Ravine Creek, that runs through the ravine where the town is located, was one of the most historical mining regions of our State in its earlier days, and to the credit of California soil and climate it may be said that a portion of the citrus display made at the exhibition of the present year was grown on soil that had been prospected, and even mined for gold away back in the fifties; a revelation indeed to our earlier settlers, who looked upon California as a mining region almost exclusively, and by its then remoteness from the great market centers of the world, inadapted to agriculture, except in a limited sense.

Our ability to produce citrus fruits in variety and quantity has been fully demonstrated, so much so that it is an industry of itself, and is followed as an exclusive investment on the part of many growers. The production of the orange, lemon, fig, and date is increasing annually to the extent predicted by this Society in years past, and the results are such as to warrant and encourage an increased acreage in this branch of agriculture.

The ripening of the citrus fruits of the southern part of the State follow those of the north in rapid succession, giving our State an oppor-

tunity of making two citrus exhibitions the same year, and for which the Legislature has provided for cash premiums to be awarded.

ALFALFA.

Of all the modern forage plants none seem to be better adapted to general use and easy growth in our State than is alfalfa. On our "bottom" lands it makes wonderful headway, and is susceptible of yielding four to five crops of hay each season, and subsequent pasturing or harvesting for seed, which yields from four to five hundred pounds per acre, and is in demand at from 7 to 10 cents per pound.

It is usually planted during the months of January and February where the land is well drained, and upon the lower lands as late as May and June. Frost has no effect upon it, and the growth is rapid. We have known the first crop to be cut as early as March, but the second and third cuttings are considered best for hay for marketing. The price of alfalfa is generally good; from \$8 to \$12 per ton is paid for it by consumers. As a forage for the dairy it is not excelled, and throughout the winter months equals as fodder any prepared ensilage of the Eastern or Middle States. Our dairymen would be at a loss without it. Insufficient attention has been given this great plant by our California farmers, by reason, probably, of the many other profitable pursuits of soil culture. But with the large amount of land along our rivers, and the profitable returns made in the growth of alfalfa, it is a sad commentary on this State to think that with all our advantages we are compelled to import this great commodity from the State of Nevada. But not unlike many other agricultural products our soils are capable of producing, and which we are importing for home use by reason of lack of soil workers among our own people, occasioned to a great extent by the young element directing their attention to other vocations or professions, at the expense of agriculture, thereby leaving the field for increased productions in this calling unattended, and to be extended, if at all, gradually by newcomers, who, when they become aware of our natural advantages, come among us for the mutual benefit of both the State and themselves.

It is here there is room for soil-workers that are contented with home life, and where a superabundance of advantages for this class is to be found. Young men should stick to the farm, where, as a business investment, the advantages are superior to those in many other vocations requiring a life study to master, and after which, the income may not be in keeping with the talent required. It is the man, not the vocation, that makes the success.

THE WORLD'S COLUMBIAN EXHIBITION OF 1893.

The productive interests of California should combine to make a fitting exhibit of our resources at the World's Fair in 1893, one such as our capabilities warrant.

These opportunities are rarely presented, and a State like ours, that has so much room for additional population, should take full advantage of the occasion.

The preparation of an exhibit such as we are capable of making is no small undertaking, and only mismanagement will make it an unfavorable agent in the mission it is sent to perform.

Inexperience in these affairs is a serious drawback, and when devoid of occasion to experiment with a system of collecting specimens the loss is not felt until too late, but the opportunity to gain the experience needed is at hand in this State, if the Commission desire to take advantage of it.

To those charged with the management of California's display, we would suggest that the present season—which is now very promising—be taken advantage of in the way of collecting and forming an exhibit of our agricultural resources for exhibition at the California State Fair of 1892. This course would not only give the Commission experience, but would attract an unusual amount of individual exhibits that the owners, after having received our awards, would gladly donate for exhibition at the World's Fair of next season. The prestige of an exhibit of premium productions would be an item worthy of consideration, and a limited amount of the appropriation used in the way of additional awards for superior specimens, as a preliminary expense, would be more beneficial than scores of visitations by agents or solicitors.

We commend this proposition to the World's Fair Commission, and will gladly coöperate with them in any way to bring out the grandest and most perfect exhibition of California's productions. We invite correspondence upon the subject.

THE HORSE.

At divers times much stress is laid by objectors in general to the attention we, as a society, give to the horse. Let us see if he is entitled to it; let us think of his value to the human family; let us look at him in a commercial sense, and we will find him one of the component parts of husbandry, and one that stands paramount to all others as a help, as a necessity, and as a luxury to man. With the non-appreciative, after having been used as a drudge and worn out, he has been left to die by the wayside; while with the cunning Arab he has shared his master's tent, and in this day and generation he is treated with human consideration by those who know and appreciate his value.

As to his commercial value, we have but to look at the assessment rolls, which fully present the increase of value this noble animal has made during the past ten years. By the roll of 1880 the total value of horses in California was \$9,655,553. In 1891 their value by the same measure was \$17,129,493.

Divided into classes, the increase in value in thoroughbreds was nearly \$600,000; in graded classes, something more than that figure; in the common classes, nearly \$1,500,000; in colt classes, nearly \$1,250,000; in the "American" class, which embraces the American "trotter" (and which should be designated on our assessment rolls as "standard-bred"), the increase is nearly \$3,000,000.

As a necessity, as a luxury, as a resource for the small breeder, and as a profit, the American trotter has come to stay; and California promises to be his home, where he will receive all visitors, and where the breeder of the future will locate for his own protection. Up to ten years ago \$12,000 was a most phenomenal price for a trotting-bred animal. To-day we count by the dozen California-bred horses that have been sold for, or sums refused, double that figure.

As an introduction for the year 1892, a California-bred three-year old

sold for the highest figure (\$125,000) ever paid for an animal of any age, size, or breed in these United States, and that horse held, in 1891, the world's record (2:10 $\frac{1}{4}$) for a two-year old. The purchaser of this animal came from east of the Rocky Mountains, from and across State after State that have had years, we might say ages, to accomplish what we have in this short time.

Who of California is not proud of her achievements; and haven't we, as an association, cause and justification in devoting attention to this great animal—the horse—which enables California to make the showing she has?

To the great States of the East went Arion, as did Sultan, Alcazar, Mascot, Anteeo, Antevolo, Bell Boy, St. Bel, Ansel, and Woodnut at an average price of nearly \$40,000 each, and to-day scarcely one could be repurchased for less than \$50,000. What other State in the aggregation of those forming our Union can boast of having produced within its confines, and sold, such an array of stallions as are above presented? And further, we would say no State could part with such a princely lot without risk of disaster to its breeding interests. But to those of our Eastern brethren who think the cream is gone, and that our young produce have not the backing necessary, we point with pride to the stars yet with us in whose veins the blood of mighty sires gone before still trickles. We have our Palo Alto, Stamboul, Guy Wilkes, Sable Wilkes, Director, Direct, Sidney, Eros, McKinney, Silas Skinner, Hawthorne, Amigo, Advertiser, Guide, and Albert W, certainly the equals of those that have gone from us for the benefit of the Eastern breeder.

In horse literature we have noticed at times a desire to speak lightly of our matrons, but it is a well conceded fact among breeders that the dam of a great horse must have merit, as he equally shows her blood with that of the sire, and if softness is on the dam's side, it is likely to be apparent in the produce, and from the showing made our State is as replete with great brood mares as she is with sires.

To California has fallen a lot of some moment in the breeding line, viz.: that one stock farm should produce and hold the record for a short space of time for the fastest one, two, three, four, and five-year olds, as well as the stallion trotting record of the world, and that subsequently another farm in the same State should wrest the laurel of the yearling record from the garlands of the first, and when the scythe bearer of 1891 stepped off into oblivion California held the trotting and pacing records of the world.

Will anyone deny the advantages of soil and climate in this showing? Can any one deny that liberal views, progressive ideas, and early encouragement of this great business were unimportant factors in this result?

The continual accomplishment of our young produce in achieving records hovering around the 2:20 list is causing the breeders of the East some uneasiness, and they are put to their utmost to keep abreast of us. Our advantages cause this. What single State, other than this, can boast of as many good race tracks to develop their young upon? What single State, other than this, can boast of daily jogging in open air the year through? But we must concede that thus far those of Eastern and Middle States are providing values for our stock in the way of purses and stakes to be contested for. It is no fault of our people or our State, that they excel us in this respect; population and railway facilities alone are accountable for this showing. But in the

encouragement of breeding in its earlier career, no State excelled California in premium money at exhibitions for its many classes of horses here bred.

The sales of our stock by auction in the East have shown greater averages than any other State, and as long as we have the corps of stallions and the stock of matrons we are now possessed of, we shall hold up the already achieved glory and fame of California horses, both in the hard-fought contests of the Grand Circuit of the East, and as record-breakers over our own ground.

It has been the policy of the State Agricultural Society to watch over and encourage all her stock-breeding interests with equal vigilance. While some may think more attention is given to the thoroughbred or trotter than is given to the solid draft horse, or the useful roadster, or the broad-faced honest cattle, or the rich Merino sheep, they will find, if trouble is taken to make a comparative estimate, that the trotter is the most abused animal that comes to make up our great agricultural exhibition, and he forms a considerable portion of interest in our exhibition both in speed and show rings. Our thoroughbreds are occupying a place of equal distinction with the light harness horse in the great contests of the East and West, and the showing of winners is proportionately better than in any other State.

Additional value is now given to the thoroughbred by reason of the great success of his blood as an outcross for the trotter.

Experiments made by one of our leading breeders removes all doubt as to results on this score. The breeding of trotting-bred mares to thoroughbred sires, and recrossing the female offspring of such with a trotting sire, has resulted most successfully. It has always been admitted that all the speed originally came from the thoroughbred, but it has been left to a Californian to make the success of extreme trotting action from this blood.

CONTAGION AMONG LIVE STOCK.

Stringent and operative laws should be formulated by the legislative department of our government for the suppression and extermination of contagious diseases among our live stock. This industry, as shown, is of such benefit to our favored State that all safeguards necessary should be thrown around it for protection from these invading and devastating diseases. It should be a felony for an owner to have in his possession an animal afflicted with glanders. It should be a misdemeanor, punishable by heavy fine, for a stableman to permit the use of his premises by animals afflicted with highly contagious and incurable diseases. We cannot but admire the acumen and rigidness with which foreign countries handle cases of contagion that are liable to introduction among their valuable herds by importation of stock. It is but recently that Australia, a country that is alive to all progressive ideas, and which has been a most prominent and persistent advocate and patron of many modern American inventions, showed to the world her ability to effectually stamp out a threatened invasion of disease—where a well-known American circus combination that had traveled throughout the United States concluded to transport its entire exhibition to the colonies for show purposes. Upon the ship reporting that conveyed them thither, a quarantine examiner of animals was sent on board to pass upon all live stock before permission to land could be given, and it

was found that a number of aggravated cases of glanders were among the valuable trick horses of the combination, and their destruction was directed by the Government. All persuasive methods known were used to have this order rescinded; their great value and necessity in the business connected was argued, as well as the utter necessity of disbandment and breaking up of the show if the order was fulfilled. These arguments were met with a decisive refusal on the part of the authorities to rescind, and the order was carried out effectively. But the people responded nobly to the owners' appeal, and notwithstanding the absence of that chief feature of a circus—the horse—they patronized them in numbers sufficient to remunerate any financial loss occasioned by the enforcement of the law. What a grand example for America.

We hope the Executive will recommend the passage of such laws as are necessary to thoroughly eradicate all diseases injurious to our live stock interests.

CROP REPORTS.

We endeavored to have the Legislature at its last session assist in the establishment of a system of crop reports, but failed. The requirements of the age demand it, but until the necessary finances are available we cannot conduct it, no matter how willing we may be. Crippled in this way, our usefulness is greatly hampered.

FINANCES.

While the season of 1891 was most prosperous, and the receipts of the Society exceeded those of 1890, our expenses made as rapid progress as did the receipts, thereby not giving us much headway in surplus cash wherewith to decrease our debt.

The constant demand for new structures by reason of age of old ones, and demand for increased space for exhibit stock, have kept our building and improvement account at a higher figure than desirable. This, taken with increased expenditures necessary to cater to public desires in the way of additional attractions, has made our expense account larger than we wished to have it, but in order to keep up with the march of progression we have been compelled to meet their wishes, at the expense, as is shown, of our profit and loss account.

That the exhibitor might not suffer, and the proper encouragement of our resources should be given, we continued with our high cash premiums, rather permitting other departments and the balance sheet to suffer.

As all improvements, as well as our current expenses, must come from our own resources, which are increased or diminished by management, we are compelled to meet the result, good or bad as it may be; in either event it deters us not from striving for the welfare of the State, relying upon each successive year to meet increased expenses of the preceding one, or using what surplus we may have in additional encouragement for the producers of the season following.

At this time we find our assets and liabilities to be as follows:

LIABILITIES.

| | | |
|---|------------|--------------------|
| National Bank of D. O. Mills & Co., loan..... | \$7,715 37 | |
| Bills payable account..... | 5,155 65 | |
| Stakes due, fixed events..... | 4,980 00 | |
| | | <u>\$17,831 02</u> |

ASSETS.

| | | |
|--|------------|--------------------|
| Entrances due, race account..... | \$3,415 10 | |
| Bills receivable..... | 401 66 | |
| Cash balance..... | 538 84 | |
| | | <u>4,355 60</u> |
| Net indebtedness February 1, 1892..... | | <u>\$13,475 42</u> |

Showing gain for the year to be as follows:

| | |
|--|--------------------|
| Indebtedness February 1, 1891..... | \$11,430 10 |
| Permanent improvements made during the year..... | 5,815 84 |
| Total..... | <u>\$17,245 94</u> |
| Indebtedness February 1, 1892..... | <u>13,475 42</u> |
| Gain for 1891..... | <u>\$3,770 52</u> |

CONCLUSION.

In conclusion, we would say to those interested in our subject that agriculture in its broadest sense is the sure foundation of prosperity; this fact was conceded by those who came before us, and is being duly corroborated as the world advances. We would say to the present generation: In no field of usefulness is there such scope for success as lies in the cultivation of the soil; in no other vocation is to be found a more independent, free-going, and happy people, and in no State are the opportunities for following this calling as great as here. To those of other States who are contemplating residence with us, we say, "Welcome," as in California will be found ample room for the soil-worker, climate for the successful culture of any and all products, as well as a generous, law-abiding, and God-fearing people to encourage you in your work.

We append our financial statement in detail:

FINANCIAL SUMMARY.

| | | |
|---|--------------|---------------------|
| Cash on hand at commencement of year..... | \$258 72 | |
| Total receipts from all sources..... | 100,577 51 | |
| | | <u>\$100,831 23</u> |
| Total disbursements..... | \$100,292 89 | |
| Cash on hand February 1, 1892..... | 538 84 | |
| | | <u>\$100,831 23</u> |

EDWIN F. SMITH,
Secretary.

FREDERICK COX,
President.

FINANCIAL STATEMENT.

FEBRUARY 1, 1891, TO JANUARY 31, 1892.

SUMMARY.

RECEIPTS.

| | | | |
|---------|---|------------|---------------------|
| 1891. | | | |
| Feb. 1— | Cash balance | | \$258 72 |
| | Rents | \$3,800 00 | |
| | Race entries, forfeits, etc. | 16,585 00 | |
| | Fixed events payments | 8,465 00 | |
| | Park and Pavilion receipts | 43,276 55 | |
| | Premiums (State appropriation, and donations) | 20,150 00 | |
| | Expense rebates | 199 94 | |
| | Bills payable | 5,155 65 | |
| | Entrances due, collected | 230 00 | |
| | D. O. Mills & Co., loaned | 7,715 87 | |
| | | | <u>\$100,577 51</u> |
| | | | <u>\$100,831 28</u> |

DISBURSEMENTS.

| | | | |
|---------|---|------------|---------------------|
| | Advertising | \$2,699 80 | |
| | Building and improvements | 5,815 84 | |
| | Expense account | 20,938 04 | |
| | Premiums paid (exclusive of racing) | 17,628 10 | |
| | Racing purses and added money | 80,081 00 | |
| | Salaries | 5,474 00 | |
| | Bills payable, account 1890 | 3,554 87 | |
| | Interest | 1,701 98 | |
| | Insurance Park and Pavilion | 1,705 06 | |
| | Entrances due, account races 1891 | 105 00 | |
| | Fixed events, account collections made in 1889 and 1890 | 1,750 00 | |
| | Park and Pavilion rebates | 13 00 | |
| | Capital Turf Club, account surplus Spring Meeting | 973 45 | |
| | Futurity Stake rebates | 80 00 | |
| | D. O. Mills & Co., overdraft of 1890 | 7,772 28 | |
| 1892. | | | |
| Feb. 1— | Cash balance | 538 84 | |
| | | | <u>\$100,831 28</u> |

RECEIPTS.

| | | |
|---------|---------------------|----------|
| 1891. | | |
| Feb. 1— | Cash balances | \$253 72 |

RENTS.

| | | |
|---|------------|-------------------|
| Park rent, twelve months, at \$300 | \$3,600 00 | |
| Pavilion rent, two nights, at \$100 | 200 00 | |
| | | <u>\$3,800 00</u> |

RACES—1891.

| | | | |
|-------------|--|------------|-------------------|
| Race No. 1— | The Occident Stake, entrances and payments | \$1,825 00 | |
| 2— | Trotting purse, entrances | 240 00 | |
| 3— | Stallion purse, entrances and payments | 1,250 00 | |
| 4— | Opening Scramble, entrances and forfeits | 330 00 | |
| 5— | The Sunset Stake, entrances and forfeits | 470 00 | |
| | | | <u>\$4,115 00</u> |
| | Amount carried forward | | <u>\$4,053 72</u> |

| | | | |
|-------------|--|------------|-------------|
| | Amount brought forward | \$4,115 00 | \$4,053 72 |
| Race No. 6— | Rosemeade Handicap, entrances and forfeits | 380 00 | |
| 8— | Two-year Old Trotting Stake, entrances and pay- ments | 630 00 | |
| 9— | Pacing purse, entrances | 720 00 | |
| 10— | Trotting purse, entrances | 420 00 | |
| 11— | Acclaim Stake, entrances and forfeits | 385 00 | |
| 12— | Selling sweepstake, entrances | 60 00 | |
| 13— | Sunny Slope Stake, entrances and forfeits | 320 00 | |
| 14— | Capital City Stake, entrances and forfeits | 180 00 | |
| 15— | Three-year Old Trotting Stake, payments | 700 00 | |
| 16— | Trotting purse, entrances | 600 00 | |
| 17— | Trotting purse, entrances | 640 00 | |
| 18— | California Autumn Stake, entrances and forfeits | 620 00 | |
| 19— | The Fall Stake, entrances and forfeits | 255 00 | |
| 20— | Purse, entrances | 45 00 | |
| 21— | The Orange Stake, entrances and forfeits | 275 00 | |
| 22— | Four-year Old Trotting Stake, payments | 425 00 | |
| 23— | Trotting purse, entrances | 450 00 | |
| 24— | Trotting purse, entrances | 320 00 | |
| 26— | The Autumn Handicap, entrances and forfeits | 260 00 | |
| 27— | The President Stake, payments | 385 00 | |
| 28— | The Maturity Stake, entrances and forfeits | 215 00 | |
| 29— | The Hopeful Stake, entrances and forfeits | 430 00 | |
| 30— | Selling purse, entrances | 30 00 | |
| 32— | Pacing purse, entrances | 500 00 | |
| 33— | Two-year Old Pacing Stake, payments | 195 00 | |
| 34— | Trotting purse, entrances | 400 00 | |
| 35— | Trotting purse, entrances | 720 00 | |
| 36— | The Home Stake, entrances and forfeits | 100 00 | |
| 37— | The Rico Stake, entrances and forfeits | 280 00 | |
| 38— | The La Rue Stake, entrances and forfeits | 600 00 | |
| 40— | Trotting purse, entrances | 300 00 | |
| Special— | Free Handicap, entrances | 75 00 | |
| Special— | Pacing purse, entrances | 200 00 | |
| Special— | Trotting purse, entrances | 250 00 | |
| Special— | Free handicap, entrances | 125 00 | |
| Special— | Double team race, entrances | 180 00 | |
| | | | \$16,585 00 |

FIXED EVENTS—1892-3-4.

| | | |
|---------------------------------------|----------|------------|
| Occident Stake, 1892, collected | \$290 00 | |
| Occident Stake, 1893, collected | 255 00 | |
| Occident Stake, 1894, collected | 280 00 | |
| Futurity Stake, 1893-94 | 2,690 00 | |
| Sunset Stake, collected | 10 00 | |
| President Stake, collected | 40 00 | |
| | | \$3,465 00 |

PREMIUMS.

| | | |
|---|-------------|-------------|
| State warrant for premiums and care of building | \$20,000 00 | |
| American Short-Horn Breeders' Association | 150 00 | |
| | | \$20,150 00 |

EXPENSE REBATE.

| | | |
|--|----------|----------|
| Forage sold at Park | \$128 44 | |
| Rent of lot opposite Pavilion | 85 00 | |
| P. B. Byrne, scrap wood at Pavilion | 1 50 | |
| Geo. Murray, account purchase of old brick at Park | 35 00 | |
| | | \$199 94 |

PARK AND PAVILION RECEIPTS.

| | | | |
|----------|---|----------|-------------|
| Aug. 7— | J. A. McKerron, life membership | \$50 00 | |
| Sept. 1— | Francis T. Dwyer, life membership | 50 00 | |
| 4— | Dr. Ira G. Shaw, life membership | 50 00 | |
| | Jud. C. Brusie, life membership | 50 00 | |
| | Elwood Bruner, life membership | 50 00 | |
| | Dwight H. Miller, life membership | 50 00 | |
| 7— | A. Casselli, life membership | 50 00 | |
| | August Meister, life membership | 50 00 | |
| | A. N. McCollum, life membership | 50 00 | |
| | Amount carried forward | \$450 00 | \$44,453 06 |

| | | | |
|-------|--|------------|-------------|
| | Amount brought forward | \$450 00 | \$44,453 68 |
| Sept. | 8—F. J. Heintz, life membership | 50 00 | |
| | John J. Nagele, life membership | 50 00 | |
| | Wm. F. McFadden, life membership | 50 00 | |
| | 9—John W. Guthrie, life membership | 50 00 | |
| 10— | Dr. G. C. Simmons, life membership | 50 00 | |
| | Peter Flaherty, life membership | 50 00 | |
| 11— | Fred. Neary, life membership | 50 00 | |
| 12— | S. P. Smith, life membership | 50 00 | |
| | J. E. Camp, life membership | 50 00 | |
| 14— | J. A. Gibson, life membership | 50 00 | |
| | | | \$950 00 |
| Sept. | 7—Double season tickets | \$1,225 00 | |
| | 8—Double season tickets | 2,155 00 | |
| | 9—Double season tickets | 1,595 00 | |
| 10— | Double season tickets | 985 00 | |
| 11— | Double season tickets | 535 00 | |
| 12— | Double season tickets | 270 00 | |
| 14— | Double season tickets | 870 00 | |
| 15— | Double season tickets | 185 00 | |
| 16— | Double season tickets | 125 00 | |
| 17— | Double season tickets | 248 00 | |
| 18— | Double season tickets | 30 00 | |
| 19— | Double season tickets | 1 50 | |
| | Double season tickets (entry clerks) | 165 00 | |
| | | | \$7,887 50 |
| Sept. | 7—Single season tickets | \$105 00 | |
| | 8—Single season tickets | 405 00 | |
| | 9—Single season tickets | 303 00 | |
| 10— | Single season tickets | 168 00 | |
| 11— | Single season tickets | 120 00 | |
| 12— | Single season tickets | 81 00 | |
| 14— | Single season tickets | 171 00 | |
| 15— | Single season tickets | 69 00 | |
| 16— | Single season tickets | 51 00 | |
| 17— | Single season tickets | 57 00 | |
| 18— | Single season tickets | 34 50 | |
| | | | \$1,564 50 |
| Sept. | 7—Children's tickets | \$1 50 | |
| | 8—Children's tickets | 1 75 | |
| | 9—Children's tickets | 9 50 | |
| 10— | Children's tickets | 13 75 | |
| 11— | Children's tickets | 17 75 | |
| 12— | Children's tickets | 24 75 | |
| 14— | Children's tickets | 17 25 | |
| 15— | Children's tickets | 20 50 | |
| 16— | Children's tickets | 42 25 | |
| 17— | Children's tickets | 37 25 | |
| 18— | Children's tickets | 42 00 | |
| 19— | Children's tickets | 30 75 | |
| | | | \$250 00 |
| Sept. | 7—Single admission tickets | \$19 50 | |
| | 8—Single admission tickets | 228 00 | |
| | 9—Single admission tickets | 624 50 | |
| 10— | Single admission tickets | 610 50 | |
| 11— | Single admission tickets | 880 00 | |
| 12— | Single admission tickets | 1,120 00 | |
| 14— | Single admission tickets | 961 00 | |
| 15— | Single admission tickets | 1,836 50 | |
| 16— | Single admission tickets | 2,284 00 | |
| 17— | Single admission tickets | 2,629 50 | |
| 18— | Single admission tickets | 2,506 50 | |
| 19— | Single admission tickets | 1,945 00 | |
| | | | \$15,098 00 |
| Sept. | 8—Grand Stand receipts | \$40 00 | |
| | 9—Grand Stand receipts | 98 50 | |
| 10— | Grand Stand receipts | 108 00 | |
| 11— | Grand Stand receipts | 132 50 | |
| 12— | Grand Stand receipts | 141 50 | |
| 14— | Grand Stand receipts | 114 00 | |
| 15— | Grand Stand receipts | 156 50 | |
| 16— | Grand Stand receipts | 327 50 | |
| 17— | Grand Stand receipts | 879 50 | |
| | | | |
| | Amount carried forward | \$1,491 00 | \$70,157 68 |

| | | |
|---|------------|-------------|
| Amount brought forward | \$1,491 00 | \$70,157 68 |
| Sept. 18—Grand Stand receipts..... | 320 50 | |
| 19—Grand Stand receipts..... | 280 00 | |
| | | \$2,091 50 |
| Sept. 8—Special Stand receipts | \$1 00 | |
| 9—Special Stand receipts | 4 00 | |
| 10—Special Stand receipts | 9 50 | |
| 11—Special Stand receipts | 8 00 | |
| 12—Special Stand receipts | 22 00 | |
| 14—Special Stand receipts | 22 00 | |
| 15—Special Stand receipts | 10 50 | |
| 16—Special Stand receipts | 49 00 | |
| 17—Special Stand receipts | 58 00 | |
| 18—Special Stand receipts | 55 50 | |
| 19—Special Stand receipts | 51 50 | |
| | | \$291 00 |
| Sept. 8—Quarter-stretch badges..... | \$95 00 | |
| 9—Quarter-stretch badges..... | 50 00 | |
| 10—Quarter-stretch badges..... | 15 00 | |
| 11—Quarter-stretch badges..... | 15 00 | |
| 12—Quarter-stretch badges..... | 25 00 | |
| 14—Quarter-stretch badges..... | 10 00 | |
| 15—Quarter-stretch badges..... | 10 00 | |
| 16—Quarter-stretch badges..... | 25 00 | |
| 17—Quarter-stretch badges..... | 15 00 | |
| 18—Quarter-stretch badges..... | 2 00 | |
| 19—Quarter-stretch badges..... | 5 00 | |
| | | \$267 00 |
| Sept. 8—Carriage badge..... | \$3 00 | |
| Pool privileges..... | 10,009 60 | |
| Programme and Park privileges..... | 3,406 80 | |
| Art Catalogues and Pavilion privileges..... | 829 15 | |
| Sweepstakes (premiums)..... | 346 00 | |
| Manure privilege..... | 250 00 | |
| Race fines..... | 80 00 | |
| | | \$14,923 05 |

BILLS PAYABLE.

| | |
|---|------------|
| J. F. Hill, due October 1, 1892..... | \$320 50 |
| Richards & Knox, due October 1, 1892..... | 389 61 |
| Ames & Detrick, due October 1, 1892..... | 480 00 |
| Jas. P. Kerr, due October 1, 1892..... | 455 00 |
| J. E. La Rue, due October 1, 1892..... | 1,299 64 |
| Capital Gas Company, due October 1, 1892..... | 1,517 30 |
| W. K. Vanderslice & Co., due October 1, 1892..... | 733 80 |
| | \$5,155 65 |

ENTRANCES DUE.

| | |
|---|----------|
| Aug. 6—Entrance due "Ivan," at 50 per cent..... | \$50 00 |
| 18—Entrance due "Keepsake" | 180 00 |
| | \$230 00 |

D. O. MILLS & Co.

| | |
|-----------|---------------------|
| Loan..... | \$7,715 37 |
| | <u>\$100,831 23</u> |

DISBURSEMENTS.

ADVERTISING.

| | |
|------------------------------------|------------|
| 1891. | |
| May 30—Spirit of the Times | \$175 00 |
| Aug. 1—Spirit of the Times | 125 00 |
| Oct. 8—Breeder and Sportsman | 435 00 |
| San Francisco Post..... | 60 00 |
| San Francisco Examiner | 128 00 |
| Pacific Rural Press | 150 00 |
| San Francisco Bulletin..... | 80 00 |
| San Francisco Chronicle..... | 120 00 |
| San Francisco Wasp..... | 15 00 |
| Amount carried forward | \$1,286 00 |

| | | | |
|-----------|--|------------|------------|
| | Amount brought forward | \$1,286 00 | |
| Oct. 8— | San Francisco Hotel Gazette | 15 00 | |
| | San Francisco Wave | 18 00 | |
| | San Francisco Report | 50 00 | |
| | San Francisco Argonaut | 23 50 | |
| | San Francisco News Letter | 25 00 | |
| | California Fruit Grower | 9 00 | |
| | Oakland Tribune | 35 00 | |
| | San Francisco Call | 111 60 | |
| | Sacramento Record-Union | 255 00 | |
| | Sacramento Bee | 202 85 | |
| | Sacramento Daily News | 154 00 | |
| | Sacramento Leader | 15 00 | |
| | Sacramento Themis | 10 00 | |
| | Sacramento Nord California Herald | 5 00 | |
| | Stockton Mail | 20 00 | |
| | Dixon Tribune | 6 00 | |
| | Rio Vista News | 5 00 | |
| | Amador Ledger | 5 00 | |
| | Ione Echo | 12 50 | |
| | Stockton Independent | 21 00 | |
| | Wheatland Four Corners | 10 00 | |
| | Sutter Independent | 6 00 | |
| | Woodland Mail | 12 00 | |
| | Woodland Democrat | 10 00 | |
| | Marysville Appeal | 15 00 | |
| | Marysville Democrat | 15 00 | |
| | Chico Chronicle | 10 00 | |
| | Red Bluff Sentinel | 12 00 | |
| | Colfax Sentinel | 7 00 | |
| | Colusa Sun | 22 40 | |
| | Colusa Herald | 10 00 | |
| | Grass Valley Telegraph | 12 00 | |
| | Placerville Mountain Democrat | 8 00 | |
| | Nevada City Transcript | 20 00 | |
| | Placer News | 5 00 | |
| | Humboldt Standard | 9 00 | |
| | Placer (Auburn) Herald | 12 50 | |
| | Martinez Democrat | 6 00 | |
| | Merced Sun | 12 00 | |
| | Petaluma Courier | 5 00 | |
| | Santa Rosa Republican | 12 00 | |
| | Sonoma Democrat | 15 00 | |
| | Vaca Valley Enterprise | 7 50 | |
| | Vacaville Reporter | 5 00 | |
| | Fancier's Monthly | 6 00 | |
| | Rural Californian | 25 00 | |
| | Los Angeles Herald | 14 85 | |
| | Los Angeles Express | 12 00 | |
| | Fresno Expositor | 10 00 | |
| | Pomona Times | 5 00 | |
| | Fresno Turf | 18 00 | |
| | Santa Cruz Surf | 10 00 | |
| | Napa Register | 15 00 | |
| Oct. 20— | Oroville Register | 7 50 | |
| | Galt Gazette | 8 00 | |
| | Los Angeles Orange Grower | 12 50 | |
| | Placer County Republican | 5 50 | |
| | Kern County Californian | 7 50 | |
| | | | \$2,669 80 |
| EXPENSE. | | | |
| 1891. | | | |
| Feb. 4— | W. H. Coombs, services as starter | \$50 00 | |
| | 28—Sundries for month | 21 88 | |
| Mar. 13— | Phoenix Mills, account track team | 81 25 | |
| | 31—Sundries for month | 50 50 | |
| April 20— | A. M. Gunter, hay for team | 28 85 | |
| | 22—J. H. Coleman, repairs at Park | 5 00 | |
| | 30—Sundries for month | 37 15 | |
| May 21— | M. Gosling, hay for team | 12 00 | |
| | 27—William Herringer, hay for team | 10 00 | |
| | F. Zilt, painting smokestack | 20 00 | |
| | 30—Sundries for month | 38 40 | |
| June 2— | E. F. Woodward, repairs at Park | 9 50 | |
| | Amount carried forward | \$362 08 | \$2,699 80 |

| | | | |
|-----------|--|----------|------------|
| | Amount brought forward | \$382 08 | \$2,699 80 |
| June 27— | D. B. Matlock, repairs to chairs | 266 00 | |
| | A. J. Muir, plumbing | 18 85 | |
| | 30—Sundries for month | 87 40 | |
| July 1— | Baker & Ross, harrow | 100 00 | |
| | 9—E. W. Breuning, binding papers | 28 00 | |
| | 17—A. J. Muir, repairs | 12 40 | |
| | 20—Sullivan, Kelly & Co., account 1890 | 59 88 | |
| | 28—National Trotting Association, dues | 150 00 | |
| | 30—Sundries for month | 78 85 | |
| Aug. 31— | Sundries for month | 60 30 | |
| Sept. 19— | Professor Awerkamp, balloon ascensions | 100 00 | |
| | J. J. Romig, balloon ascension | 300 00 | |
| | S. Merwin, straw at Park | 48 00 | |
| | 20—B. A. Johnson, Directors' stand | 490 15 | |
| | 21—F. Haedrick, team at Park | 16 25 | |
| | First Artillery Band, music | 1,893 00 | |
| | J. F. Toomey, hack hire | 29 00 | |
| | 22—G. W. Hancock, services as Superintendent | 300 00 | |
| | S. W. Butler, hauling roller | 10 00 | |
| | 23—George Boyne, account "Playground" | 580 00 | |
| | A. Liberati, music | 600 00 | |
| | Peppers and Flower, 20-mile race | 300 00 | |
| | Frederick Cox, incidental expenses | 200 00 | |
| | 30—Sundries for month | 122 36 | |
| | | | \$6,157 56 |

PARK PAYROLL.

| | | | |
|-----------|--|------------|------------|
| Sept. 30— | G. B. Folger, Assistant Superintendent | \$80 00 | |
| | J. C. Kelly, chief ticket clerk | 55 00 | |
| | B. F. Hancock, assistant ticket clerk | 33 00 | |
| | Arthur Spencer, assistant ticket clerk | 33 00 | |
| | Albert C. Pait, assistant ticket clerk | 33 00 | |
| | Frank R. Dray, membership ticket clerk | 44 00 | |
| | L. Hendricks, assistant membership ticket clerk | 27 50 | |
| | H. M. La Rue, Jr., entry clerk | 75 00 | |
| | John R. La Rue, groom badge clerk | 48 00 | |
| | Geo. L. Hamilton, blackboard clerk | 22 00 | |
| | C. E. Harrison, blackboard clerk | 22 00 | |
| | W. H. Treichler, blackboard clerk | 22 00 | |
| | C. J. Cox, chief marshal | 82 50 | |
| | James Holl, assistant marshal | 55 00 | |
| | L. A. Spurgeon, assistant marshal | 55 00 | |
| | Chas. M. Zeitler, special stand clerk | 27 50 | |
| | W. T. Calderwood, special stand stairman | 27 50 | |
| | H. S. Beals, special stand usher | 22 00 | |
| | H. H. Stephenson, Directors' stand usher | 22 00 | |
| | Samuel Green, ticket clerk, Twenty-third Street gate | 33 00 | |
| | W. F. Preston, clerk of course | 55 00 | |
| | Geo. A. Bovyver, milk clerk | 16 00 | |
| | Samuel Gottlieb, weigher | 40 00 | |
| | L. Whiting, Judges' stand | 44 00 | |
| | H. P. Moore, Superintendent grand stand | 27 50 | |
| | Frank Frane, hay delivery | 26 00 | |
| | Carter Jackson, hay watch | 35 00 | |
| | Wm. Norman, hay watch | 47 50 | |
| | C. V. Garrett, poultry watch | 32 50 | |
| | Dan Foley, gatekeeper | 55 00 | |
| | Jas. Patterson, gatekeeper | 22 00 | |
| | A. J. Danis, exit gate | 25 00 | |
| | Chris. Cook, exit gate | 27 50 | |
| | Geo. Ritchie, quarter-stretch gate | 22 00 | |
| | Wm. Shearer, quarter-stretch gate | 22 00 | |
| | D. P. Coons, track entrance gate | 22 00 | |
| | Ed. Howe, stairman | 27 50 | |
| | J. E. Thompson, stairman | 27 50 | |
| | N. L. Drew, stairman | 27 50 | |
| | D. Dinsborough, stairman | 27 50 | |
| | Hiram Greer, back track gate | 22 00 | |
| | J. Milley, back track gate | 24 00 | |
| | L. Montgaillard, day fire watch | 36 00 | |
| | A. Visker, night fire watch | 36 00 | |
| | George King, ticket seller | 16 50 | |
| | Amount carried forward | \$1,582 50 | \$8,857 86 |

| | | | |
|-----------|---|------------|------------|
| | Amount brought forward | \$1,582 50 | \$8,857 36 |
| Sept. 30— | Walter Toomey, ticket seller | 16 50 | |
| | J. Kilday, ticket seller | 16 50 | |
| | J. D. Green, ticket seller | 16 50 | |
| | D. Considine, ticket seller | 16 50 | |
| | Richard May, paddock police | 22 00 | |
| | Ed. Dunn, paddock police | 22 00 | |
| | A. Moreno, placing chairs | 5 00 | |
| | Wm. Taylor, cleaning up | 9 00 | |
| | J. S. Whaston, placing chairs | 5 00 | |
| | A. B. Chateau, programmes | 30 00 | |
| | Chas. King, carpenter | 26 00 | |
| | E. D. Webb, assistant carpenter | 12 00 | |
| | T. T. Burnett, gatekeeper | 55 00 | |
| | C. H. Miles, gatekeeper | 33 00 | |
| | C. W. Davis, police | 22 00 | |
| | M. Johnson, flagman | 22 00 | |
| | F. B. Grant, stairman | 27 50 | |
| | D. Creighton, police | 16 00 | |
| | E. Farrell, police | 12 00 | |
| | R. H. Newton, quarter-stretch Superintendent | 55 00 | |
| | J. B. Stovall, forage clerk | 42 00 | |
| | H. C. Bell, gatekeeper | 55 00 | |
| | John Kafford, police | 22 00 | |
| | J. G. Boggs, stairman | 27 50 | |
| | M. Carroll, gatekeeper | 55 00 | |
| | W. Young, gatekeeper | 55 00 | |
| | C. B. Herndon, gatekeeper | 55 00 | |
| | John Young, track exit gate | 22 00 | |
| | J. D. Long, police | 22 00 | |
| | P. O'Connor, police | 22 00 | |
| | John Ireland, police | 22 00 | |
| | F. A. Ashton, police | 22 00 | |
| | George McLaughlin, police | 22 00 | |
| | J. J. Cadogan, police | 18 00 | |
| | A. Peck, porter | 38 00 | |
| | Robert A. Bullard, porter | 38 00 | |
| | H. J. Palmer, police | 22 00 | |
| | S. Clow, police | 22 00 | |
| | William Cooper, porter | 24 00 | |
| | W. Walters, delivery team | 100 00 | |
| | F. Brittingham, cleaning up | 4 00 | |
| | Irving McMullen, butter clerk | 20 00 | |
| | Thomas Halloran, laborer | 50 | |
| | M. Meyes, laborer | 50 | |
| | A. Grubbs, cleaning stand | 80 00 | |
| | G. W. Logan, carpenter | 61 25 | |
| | E. G. Colter, carpenter | 46 00 | |
| | M. F. Wilson, extra man, F Street gate | 2 00 | |
| | George Lavenson, pool clerk | 75 00 | |
| | J. M. Sullivan, detective | 55 00 | |
| | J. K. Cook, team and man, cleaning up and hauling | 48 00 | |
| | H. Heydt, cleaning up, etc. | 80 00 | |
| | | | \$8,192 75 |

PAVILION PAYROLL.

| | | | |
|-----------|--|------------|-------------|
| Sept. 30— | O. P. Dodge, Assistant Superintendent | \$200 00 | |
| | John S. Miller, Financial Secretary | 100 00 | |
| | A. J. Spires, chief ticket clerk | 60 00 | |
| | Fred. Gilman, assistant ticket clerk | 36 00 | |
| | A. Trainor, assistant ticket clerk | 36 00 | |
| | N. J. Toll, entry clerk | 85 00 | |
| | S. L. Howe, entry clerk | 85 00 | |
| | E. L. Hull, entry clerk | 85 00 | |
| | A. Keithley, doorkeeper | 48 00 | |
| | B. F. Tade, doorkeeper | 46 50 | |
| | C. Sprague, doorkeeper | 42 00 | |
| | Mrs. Bateman, arranging cases | 54 00 | |
| | Mrs. Harris, ladies' room | 24 00 | |
| | George H. Fehl, doorkeeper | 43 50 | |
| | James Dake, day watch, boilers | 20 00 | |
| | S. Spillman, night watch, machinery hall | 88 50 | |
| | C. Lightfoot, carpenter | 115 50 | |
| | Amount carried forward | \$1,119 00 | \$12,050 11 |

| | | | |
|-----------|---|------------|-------------|
| | Amount brought forward | \$1,119 00 | \$12,050 11 |
| Sept. 30— | E. G. Cotter, carpenter..... | 5 00 | |
| | T. T. Thomas, carpenter..... | 60 00 | |
| | D. C. White, laborer, "Playground"..... | 30 00 | |
| | S. Addison, laborer..... | 61 75 | |
| | J. W. Stinson, laborer..... | 73 00 | |
| | James Strader, laborer..... | 60 75 | |
| | P. S. Forsyth, laborer..... | 71 00 | |
| | M. Barry, laborer..... | 70 75 | |
| | F. Townsend, laborer..... | 59 75 | |
| | E. Clark, laborer..... | 15 00 | |
| | W. H. Loth, laborer..... | 7 00 | |
| | J. J. Cadogan, laborer..... | 16 00 | |
| | William Jones, laborer..... | 15 00 | |
| | H. C. White, carpenter..... | 9 00 | |
| | K. Takahashi, Art Gallery..... | 13 75 | |
| | J. A. Hunter, carpenter..... | 40 50 | |
| | H. F. Wilson, carpenter..... | 4 50 | |
| | T. T. Burnett, doorkeeper..... | 3 00 | |
| | C. B. Herndon, doorkeeper..... | 21 00 | |
| | P. B. Byrne, laborer..... | 73 75 | |
| | W. F. Wilson, laborer..... | 64 50 | |
| | W. F. Russell, laborer..... | 58 50 | |
| | W. Conley, laborer..... | 52 50 | |
| | N. Champlin, laborer..... | 47 75 | |
| | Thomas O. Halloran, laborer..... | 44 00 | |
| | Thomas Pryor, laborer..... | 43 25 | |
| | E. Meyers, laborer..... | 41 75 | |
| | V. Moreno, laborer..... | 44 75 | |
| | F. P. Horsmyer, laborer..... | 32 00 | |
| | L. Maus, laborer..... | 31 25 | |
| | Joseph Keyes, laborer..... | 38 50 | |
| | G. K. Coats, laborer..... | 35 50 | |
| | M. Steinmetz, laborer..... | 34 50 | |
| | G. Leitch, laborer..... | 38 00 | |
| | H. Enghans, laborer..... | 28 75 | |
| | Harry Long, laborer..... | 20 25 | |
| | W. B. Woods, laborer..... | 19 00 | |
| | W. Shaw, "Playground" singer..... | 15 00 | |
| | S. Green, counting tickets..... | 24 00 | |
| | Frank R. Dray, membership ticket clerk..... | 4 00 | |
| | Norton Bush, Superintendent Art Department..... | 250 00 | |
| | Paul Memogoena, laborer..... | 47 50 | |
| | F. Junghouse, laborer..... | 22 50 | |
| | J. B. White, night watch..... | 68 00 | |
| | E. A. Wooster, extra carpenter..... | 3 75 | |
| | Charles May, extra carpenter..... | 3 75 | |
| | A. J. Muir, lighting up..... | 10 00 | |
| | | | \$2,947 75 |

EXPENSES CONTINUED.

| | | | |
|-----------|---|------------|-------------|
| Sept. 30— | Jesse Slaughter, whitewashing at Park..... | \$22 00 | |
| Oct. | 1—J. L. Reith, straw..... | 149 30 | |
| | 3—J. F. Hill, repairs..... | 250 51 | |
| | Richards & Knox, lumber..... | 389 61 | |
| | 5—Ames & Detrick, Playground tent..... | 490 00 | |
| | C. A. Hull, straw..... | 269 00 | |
| | 6—W. F. Cutler, use of team and veterinary..... | 114 00 | |
| | J. Hendy Machine Works, injector..... | 48 00 | |
| | E. L. Smith, badges..... | 23 00 | |
| | 7—M. M. Estee, Directors' stand..... | 60 00 | |
| | Mrs. George L. Shafer, rent of stalls..... | 7 50 | |
| | 8—A. J. Muir, Park repairs..... | 81 50 | |
| | A. J. Muir, Pavilion repairs..... | 35 50 | |
| | Wells, Fargo & Co., expressage on reports, etc..... | 71 05 | |
| | Gattman & Wilson, ribbons, etc..... | 118 50 | |
| | Wilson & Mitchell, Park accident..... | 12 00 | |
| | J. A. M. Martin, Park repairs..... | 18 50 | |
| | L. Winter, advertising cuts..... | 12 00 | |
| | Schaw, Ingram, Batchler & Co., repairs, etc..... | 121 33 | |
| | A. S. Hopkins Co., repairs, etc..... | 43 90 | |
| | C. H. Krebs & Co., repairs, etc..... | 82 90 | |
| | Locke & Lavenson, hose for Park..... | 4 50 | |
| | Amount carried forward | \$2,392 60 | \$14,997 86 |

| | | | |
|-------|---|------------|-------------|
| | Amount brought forward | \$2,392 60 | \$14,997 86 |
| Oct. | 8—Holbrook, Merrill & Stetson, repairs..... | 50 70 | |
| | W. J. Irvine, horse hire | 25 00 | |
| | J. W. Wilson, horse hire | 42 00 | |
| | Whittier, Fuller & Co., diploma frames, etc..... | 105 40 | |
| | H. S. Crocker & Co., stationery for year | 57 65 | |
| | W. J. O'Brien, lime for Park | 38 00 | |
| | Mrs. C. H. Shear, rent of stalls | 25 00 | |
| | Bassett & Minford, Children's Playground..... | 4 15 | |
| | C. A. Fisk, repairs at Park | 11 50 | |
| | Thos. Scott, repairs at Park | 4 50 | |
| | Jas. Popert, merchandise | 4 55 | |
| | Phoenix Flouring Mills, feed | 222 90 | |
| | Stanton, Thomson & Co., merchandise and repairs | 20 35 | |
| | Pioneer Box Co., boxes and sawdust | 79 50 | |
| | Western Union Telegraph Co., telegrams | 55 45 | |
| | A. J. Muir, Park repairs | 51 40 | |
| | Sullivan, Kelly & Co., paints, etc..... | 88 80 | |
| | H. C. Chipman, signs | 6 00 | |
| | 9—John Lafferty, drayage | 98 50 | |
| | J. C. Hoag, services account exhibits | 100 00 | |
| | Thos. Lewis, account cesspools at Park | 108 00 | |
| | Kullman, Salz & Co., tanbark at Park | 90 00 | |
| | Goodwin Bros., subscription to Guide | 10 00 | |
| | 12—J. E. La Rue, hay during Fair | 1,299 64 | |
| | Capital Gas Co., account lighting | 1,517 30 | |
| | Edwin F. Smith, incidentals | 94 00 | |
| | J. H. Campbell, excavating | 40 00 | |
| | 13—Mrs. Anna Yule, rent of lot | 40 00 | |
| | 16—Frederick Cox, expenses of President | 500 00 | |
| | 19—W. Masten, purchase of horse | 210 00 | |
| | 23—E. F. Woodward, repairs to wall | 13 00 | |
| | John Rooney, alfalfa hay | 178 75 | |
| | Bosqui Engraving Co., programme covers | 45 00 | |
| | 31—A. J. Muir, repairs at Park | 11 40 | |
| | Sundries for month | 89 40 | |
| Nov. | 2—Wm. McLaughlin, freight and cartage | 203 87 | |
| | 3—Bill posting, account Fair 1891 | 78 55 | |
| | 11—A. Meiss, purchase of sprinkler | 175 00 | |
| | 19—Miss M. Hinkson, filling diplomas | 84 50 | |
| | 25—Telegraph Mills, account Library and Park | 27 50 | |
| | 30—Sundries for month | 55 32 | |
| Dec. | 2—J. A. Cunningham, roller for Park | 45 00 | |
| | 8—Buffalo Brewing Co., ice for season | 68 90 | |
| | 17—C. Green, contingent expenses | 117 00 | |
| | 28—O. M. Downer, repairs | 11 50 | |
| | 31—Sundries for month | 26 75 | |
| 1892. | | | |
| Jan. | 4—C. Suter, mill work | 24 80 | |
| | 31—Sundries for month | 45 85 | |
| | | | \$8,639 98 |

PREMIUMS.

| | | | |
|-------|---|-------------|-------------|
| 1891. | | | |
| Feb. | 7—Account of 1890 | \$90 00 | |
| Sept. | 30—Mosher, Chandler & Co., sundries of 1890..... | 5 00 | |
| | First Department | 7,633 50 | |
| | Second Department | 1,105 00 | |
| | Third Department | 638 00 | |
| | Fourth Department | 1,025 50 | |
| | Fifth Department | 1,343 50 | |
| | Sixth Department | 1,189 00 | |
| | Seventh Department | 1,155 00 | |
| | Eighth Department | 2,900 00 | |
| | Mrs. Trefry, first prize, Ladies' Tournament | 60 00 | |
| | Miss C. Reichling, second prize, Ladies' Tournament | 45 00 | |
| | Miss G. Henry, third prize, Ladies' Tournament | 35 00 | |
| | Miss M. Lemay, fourth prize, Ladies' Tournament | 25 00 | |
| | Miss G. Dixon, fifth prize, Ladies' Tournament | 20 00 | |
| | Miss M. Stebbins, sixth prize, Ladies' Tournament | 15 00 | |
| | Miss M. Lemay, special | 50 00 | |
| | Effie Klemp, first prize, Juveniles' Tournament | 30 00 | |
| | Mabel Fay, second prize, Juveniles' Tournament | 25 00 | |
| | Bessie Quarles, third prize, Juveniles' Tournament | 20 00 | |
| | Amount carried forward | \$16,829 50 | \$23,637 84 |

| | | | |
|-----------|--|-------------|-------------|
| | Amount brought forward | \$16,829 50 | \$23,687 84 |
| Sept. 30- | Mabel Bradley, fourth prize, Juveniles' Tournament | 15 00 | |
| | D. Lockhart, fifth prize, Juveniles' Tournament | 10 00 | |
| | May Muller, special | 6 00 | |
| | E. A. Bradley, special | 6 00 | |
| | Mrs. Collier, special | 6 00 | |
| | Miss M. Foss, special | 6 00 | |
| | Miss F. McClanahan, special | 6 00 | |
| Nov. 19- | Wilbur F. Smith, premium rebate | 10 00 | |
| | W. K. Vanderslice & Co., medals | 733 60 | |
| | | | \$17,628 10 |

RACES—1891.

| | | | |
|-------------|--|------------|-------------|
| Race No. 1- | Occident Stake, stakes | \$1,825 00 | |
| | 2-Trotting purse, purse | 576 00 | |
| | 3-Stallion purse, stakes | 1,250 00 | |
| | 4-Opening Scramble, stakes and added money | 680 00 | |
| | 5-Sunset Stake, stakes and added money | 1,070 00 | |
| | 6-Rosemeade Handicap, stakes and added money | 730 00 | |
| | 7-Selling purse, purse | 300 00 | |
| | 8-Two-year Old Trotting Stake, stakes and added money | 930 00 | |
| | 9-Pacing purse, purse | 800 00 | |
| | 10-Trotting purse, purse | 600 00 | |
| | 11-Acclaim Stake, stakes and added money | 735 00 | |
| | 12-Selling Sweepstake, stakes and added money | 410 00 | |
| | 13-Sunny Slope Stake, stakes and added money | 670 00 | |
| | 14-Capital City Stake, stakes and added money | 180 00 | |
| | 15-Three-year Old Trotting Stake, stakes | 700 00 | |
| | 16-Trotting purse, purse | 1,200 00 | |
| | 17-Trotting purse, purse | 800 00 | |
| | 18-California Annual Stake, stakes and added money | 1,020 00 | |
| | 19-The Fall Stake, stakes and added money | \$755 00 | |
| | 20-Purse, stakes and purse | 445 00 | |
| | 21-The Orange Stake, added money and stakes | 625 00 | |
| | 22-Four-year Old Trotting Stake, stakes | 425 00 | |
| | 23-Trotting purse, purse | 1,080 00 | |
| | 24-Trotting purse, purse | 720 00 | |
| | 25-Autumn Handicap, stakes and added money | 890 00 | |
| | 27-President Stake, stakes | 335 00 | |
| | 28-Handicap for four-year olds, stakes and added money | 615 00 | |
| | 29-Hopeful Stake, stakes and added money | 880 00 | |
| | 30-Selling purse, purse and stakes | 380 00 | |
| | 31-Free purse, purse | 300 00 | |
| | 32-Pacing purse, purse | 1,000 00 | |
| | 33-Two-year old pacing purse, stakes | 195 00 | |
| | 34-Trotting purse, purse | 800 00 | |
| | 35-Trotting purse, purse | 800 00 | |
| | 36-The Home Stake, stakes and added money | 400 00 | |
| | 37-The Rico Stake, stakes and added money | 580 00 | |
| | 38-The La Rue Stake, stakes and added money | 1,100 00 | |
| | 39-Free purse, purse | 300 00 | |
| | 40-Trotting purse, purse | 300 00 | |
| Special- | Free handicap, purse and stakes | 375 00 | |
| Special- | Pacing purse, purse and stakes | 500 00 | |
| Special- | Novelty race, purse and stakes | 380 00 | |
| Special- | Trotting purse, purse and stakes | 500 00 | |
| Special- | Free handicap, stakes and added money | 425 00 | |
| Special- | Double team race, purse | 600 00 | |
| | | | \$30,081 00 |

BUILDING AND IMPROVEMENTS.

| | | | |
|----------|---|------------|-------------|
| May 26- | P. A. Miller, account street assessment | \$112 05 | |
| July 1- | Baggett & Touhey, street work | 1,027 00 | |
| Aug. 10- | Park payroll, claying track | 159 00 | |
| | 1-F. Haedrick, filling new annex | 93 75 | |
| | 10-H. Heydt, leveling annex | 11 00 | |
| | 13-J. Touhey, hauling clay | 752 40 | |
| | 15-J. C. Boyd, engineering service and plans | 108 00 | |
| | 17-March & Lightfoot, removing and rebuilding | 332 50 | |
| | 24-March & Lightfoot, new awning annex | 339 00 | |
| | 25-W. F. Walters, filling | 6 75 | |
| | G. M. Dixon et al., Cattle Pavilion | 402 40 | |
| | Amount carried forward | \$3,398 85 | \$71,346 94 |

| | | | |
|----------|---|------------|-------------|
| | Amount brought forward | \$3,393 85 | \$71,346 94 |
| Aug. 28— | March & Lightfoot, repairs and rebuilding | 87 67 | |
| | March & Lightfoot, extras annex | 63 72 | |
| Sept. 5— | March & Lightfoot, account new stables | 2,220 60 | |
| 23— | J. Touhey, plowing track (clay) | 50 00 | |
| | | | \$5,815 84 |

INSURANCE.

| | | | |
|-----------|---|----------|------------|
| April 20— | Sun Insurance Co., insurance on Park stables, etc. | \$212 50 | |
| Oct. 5— | E. K. Alsip & Co., insurance on Pavilion | 180 00 | |
| 6— | W. P. Coleman, insurance on Park and Pavilion | 245 00 | |
| 7— | Mills & Hawk, insurance on Park and Pavilion | 158 75 | |
| | T. J. Milliken, insurance on Pavilion | 20 00 | |
| 8— | Curtis & Bowley, insurance on Park and Pavilion | 108 80 | |
| 9— | L. C. Chandler, insurance on Park and Pavilion | 137 50 | |
| | C. Strobel, insurance on Park and Pavilion | 60 00 | |
| 12— | Lawton, Barnett & Co., insurance on Park and Pavilion | 100 00 | |
| 19— | Jas. N. Porter, insurance on Park and Pavilion | 160 00 | |
| 22— | Frank Hickman, insurance on Park and Pavilion | 190 00 | |
| 23— | C. H. Denton, insurance on Pavilion | 50 00 | |
| Nov. 12— | H. J. Goethe, insurance on Park and Pavilion | 112 50 | |
| | | | \$1,705 05 |

INTEREST.

| | | | |
|-----------|---|----------|------------|
| April 1— | California State Bank, account interest | \$507 65 | |
| Aug. 31— | D. O. Mills & Co., account interest | 289 94 | |
| Sept. 30— | J. E. La Rue, account interest | 54 90 | |
| Oct. 1— | Bassett & Touhey, account interest | 59 40 | |
| 5— | Sacramento Lumber Co., account interest | 28 82 | |
| 12— | Capital Gas Co., account interest | 110 60 | |
| 19— | W. K. Vanderslice & Co., account interest | 82 70 | |
| Nov. 16— | California State Bank, account interest | 248 85 | |
| 30— | D. O. Mills & Co., account interest | 90 27 | |
| Dec. 21— | California State Bank, account interest | 248 85 | |
| | | | \$1,701 98 |

SALARIES.

| | | |
|--|------------|------------|
| Edwin F. Smith, Secretary | \$2,400 00 | |
| A. J. Hopper, Assistant Secretary | 800 00 | |
| James Muir, janitor | 900 00 | |
| C. S. Patton, trackman | 720 00 | |
| H. Clock, watchman | 600 00 | |
| S. B. Payne, typewriter | 480 00 | |
| F. Brittingham, for August and September | 74 00 | |
| | | \$5,474 00 |

BILLS PAYABLE.

| | | | |
|-----------|---|----------|------------|
| Sept. 30— | J. E. La Rue, account 1890 | \$683 73 | |
| Oct. 5— | Sacramento Lumber Co., account 1890 | 360 29 | |
| 12— | Capital Gas Co., account 1890 | 1,382 40 | |
| 19— | W. K. Vanderslice, account 1890 | 1,128 45 | |
| | | | \$3,554 87 |

ENTRANCES DUE.

| | | | |
|-----------|---------------------------------------|---------|----------|
| Sept. 17— | J. N. Anderson, on "Bay Wilkes" | \$80 00 | |
| 13— | C. A. Brown, on "Annie Lewis" | 25 00 | |
| | | | \$105 00 |

SPRING MEETING.

| | | | |
|--------|---|--|----------|
| May 6— | Capital Turf Club, balance Spring Meeting | | \$973 45 |
|--------|---|--|----------|

FUTURITY STAKE REBATES.

| | | | |
|---------|--|--|---------|
| Nov. 2— | Futurity Stake 1893 and 1894 rebates | | \$80 00 |
|---------|--|--|---------|

FIXED EVENTS.

| | | |
|---|------------|-------------|
| Occident Stake—Account collections made in 1889 and 1890 | \$1,525 00 | |
| President Stake—Account collections made in 1889 and 1890 | 215 00 | |
| Sunset Stake—Account collections made in 1889 and 1890 | 10 00 | |
| | | \$1,750 00 |
| Amount carried forward | | \$92,507 13 |

Amount brought forward \$2,507 13

PARK AND PAVILION REBATES.

| | | |
|--|--------|----------------|
| Sept. 19—J. E. Camp, double season ticket rebate | \$5 00 | |
| 19—S. P. Smith, double season ticket rebate | 5 00 | |
| 19—F. Neary, single season ticket rebate | 3 00 | |
| | | <u>\$18 00</u> |

BANK.

| | | |
|----------------------------|--|---------------------|
| 1892. | D. O. Mills & Co., account of 1890 | \$7,772 26 |
| Jan. 31—Cash balance | | 538 84 |
| | | <u>\$100,831 23</u> |

PARK AND PAVILION DAILY RECEIPTS.

| | Pavilion. | Park. |
|---|--------------------|--------------------|
| Sept. 7—Ticket sales | \$1,351 00 | |
| 8—Ticket sales | 1,697 25 | \$1,229 50 |
| 9—Ticket sales | 1,211 75 | 1,487 75 |
| 10—Ticket sales | 832 00 | 1,025 75 |
| 11—Ticket sales | 674 50 | 983 75 |
| 12—Ticket sales | 788 00 | 896 25 |
| 14—Ticket sales | 608 25 | 1,057 00 |
| 15—Ticket sales | 804 25 | 983 75 |
| 16—Ticket sales | 947 50 | 1,956 25 |
| 17—Ticket sales | 1,289 25 | 2,133 00 |
| 18—Ticket sales | 1,029 50 | 1,961 50 |
| 19—Ticket sales | 881 00 | 1,482 75 |
| | <u>\$12,064 25</u> | <u>\$15,177 25</u> |
| Privileges, programmes, etc. | 829 15 | 13,744 90 |
| Office collections, account life membership | 475 00 | 475 00 |
| Entry clerks | 165 00 | 346 00 |
| Totals | <u>\$13,538 40</u> | <u>\$29,743 15</u> |

PROFIT AND LOSS.

Dr.

| | | |
|---|-------------|--------------------|
| Balance February 1, 1891 | \$11,480 10 | |
| Expense account | 20,888 04 | |
| Premiums | 17,628 10 | |
| Building and improvements | 5,815 84 | |
| Salaries | 5,474 00 | |
| Advertising | 2,669 80 | |
| Insurance | 1,705 05 | |
| Interest | 1,701 98 | |
| Races | 13,496 00 | |
| Rebates, Park and Pavilion receipts | 13 00 | |
| | | <u>\$80,901 91</u> |

Cr.

| | | |
|------------------------------------|-------------|--------------------|
| Park and Pavilion receipts | \$43,276 55 | |
| State appropriation | 20,000 00 | |
| Premium donations | 150 00 | |
| Rent | 3,800 00 | |
| Expense rebates | 189 94 | |
| Liabilities February 1, 1892 | 13,475 42 | |
| | | <u>\$80,901 91</u> |

ANNUAL MEETING.

ROOMS STATE BOARD OF AGRICULTURE, }
SACRAMENTO, February 1, 1892. }

The annual meeting called for this day was attended by the following named members of the Board: Directors La Rue, Chase, Green, Carr, Hancock, and Cox. The failure of a quorum to be present was explained in letters received from various members. Inasmuch as the Executive Committee was present, it was deemed proper to read, adopt, and submit the annual report to the Governor.

It was resolved to adjourn to Thursday, February 4, 1892.

THURSDAY, February 4, 1892.

The adjourned annual meeting was called to order by President Cox, at 1 P. M. on this day. Roll was called, with the following members present: Directors Boggs, Chase, La Rue, Green, Carr, DeLong, Hancock, Shippee, and President Cox.

REPORT OF SPECIAL COMMITTEE.

On behalf of the special committee appointed to consult with M. Denzer, one of the persons injured by the accident on the Fair grounds last September, Mr. La Rue reported that he had consulted with Mr. Denzer, through his attorneys, who claimed the amount of \$5,000. Mr. La Rue stated that the Society was not liable, and no such claim as that could be considered. Denzer's attorneys maintained that the Society was liable. This was all the report he had to make, and, upon motion, the report was received and the committee discharged.

AUBURN CITRUS FAIR.

Director Hancock made a verbal report regarding the Citrus Fair held at Auburn, showing that a representative exhibit was made, and that the awards were in accordance with premiums offered.

He explained that a detailed report would be forthcoming from the Secretary as soon as the financial affairs could be arranged.

SHEEP.

The special committee appointed to inquire into the lambing of sheep made no report.

Director La Rue moved that all exhibitors of sheep at the State Fair be required to file affidavits, verified by two reputable citizens, residents of locality wherein sheep are owned, under oath, with the Entry

Clerk at the time of entry, that the lambs exhibited were dropped January 1st, or after, and that all sheep exhibited were shorn on March 1st, or after, of the year exhibited. So ordered.

FIRST PREMIUM ANIMALS BARRED.

Director Green moved that when any animal has been awarded first premium in the individual classes any one year that said animal be debarred from competition in the same class for the same premium any year following. So ordered.

SEASON TICKETS.

Director Shippee gave notice that he would move, at the next meeting of the Board, to amend the constitution of the State Agricultural Society, revised and adopted April 20, 1886, eliminating the selling of annual memberships and the issuing of season tickets. Said amendments to extend to the rules of the Society bearing upon this subject.

Director Carr gave notice that at the next meeting of the Board he would move an amendment to the constitution and rules, increasing the price of life memberships from \$50 to \$100. Mr. Carr also gave notice that he would bring up the question of the issuance of complimentary tickets, thereby limiting each ticket to one individual.

WORLD'S FAIR.

Director Chase moved that the Secretary consult the World's Fair Commissioners from California with reference to their encouraging such exhibits as they may desire for next season's exhibition at the World's Fair, by offering premiums at the State Fair of 1892. So ordered.

FINANCIAL STATEMENT.

The Secretary submitted the financial statement in detail for the fiscal year of 1891, ending February 1, 1892. After examination and discussion, the Board directed that it be incorporated in the annual report to the Governor.

EXPERT.

Director Chase moved that the Secretary's books be experted for the fiscal years of 1890 and 1891, covering period since last examination. Carried.

Director DeLong moved that Mr. J. M. La Rue be selected as the expert. So ordered.

CITRUS FAIR PREMIUM LIST.

Director Chase moved that the Secretary be requested to address a respectful note to the Secretary of the Citrus Fair in the Sixth Congressional District, calling attention to the omission of the name of the representative of the State Board of Agriculture on premium list issued. So ordered.

ELECTION OF OFFICERS.

The Board then proceeded to organize for 1892 by the election of officers. The terms of Messrs. Boggs, Chase, and La Rue expired on February 1, 1892, and the Governor not having made public his appointments to succeed these gentlemen, they were entitled, under the law, to act until their successors are appointed.

ELECTION OF PRESIDENT.

Director Green, in an eulogistic speech, nominated Hon. Frederick Cox for reelection. Director Boggs seconded the nomination, and stated that it gave him great pleasure to indorse the remarks of Mr. Green, and that he was much pleased to have a gentleman of Mr. Cox's ability preside over the destinies of the Board.

There being no other nomination, it was ordered that the Secretary cast the vote for Mr. Cox as President for the year 1892.

President Cox, in accepting reelection, said that he felt very grateful for the confidence expressed, and stated that his great love for the State Agricultural Society would at all times prompt him to guard its interests with the same attention and ability that he would exercise in the conduct of his own affairs. He felt the responsibility of the position, and promised faithful performance of the duties imposed upon him.

SUPERINTENDENT OF PARK AND OF PAVILION.

Upon motion, G. W. Hancock was reelected Superintendent of Park.

Upon motion, Christopher Green was elected Superintendent of Pavilion.

SPEED PROGRAMME.

Director Green moved that the President appoint five members upon speed programme, and that they be directed by this Board to not give any trotting or pacing purses in excess of \$1,000. So ordered.

STATE FAIR DATES.

Director Chase moved that the State Fair of 1892 be opened on September 5th, to continue two weeks, with nine days of racing, beginning Thursday of the first week.

Director DeLong moved to amend by fixing the date of opening for September 12th, and the same was lost by the following vote: Ayes—Directors La Rue and DeLong. Noes—Directors Boggs, Chase, Green, Hancock, Shippee, and President Cox.

The original motion was then adopted.

RACING CIRCUIT.

Director La Rue suggested that the Board propose a list of dates on which the different District Fairs should be held. He said the Board does not desire to dictate, but simply to act in an advisory way. The extensive horticultural display made each season at the State Fair renders it absolutely necessary for this Board to select dates satisfactory to

that interest, believing that the racing department at all fairs could be better regulated than could exhibits of a perishable nature.

The following circuit was then suggested:

| | |
|------------------|--------------------------------|
| San José | August 1st to 6th. |
| Oakland | August 8th to 13th. |
| Napa | August 15th to 20th. |
| Petaluma | August 29th to September 3d. |
| State Fair | September 5th to 17th. |
| Stockton | September 19th to 24th. |
| Fresno | September 26th to October 1st. |

RENTAL OF STALLS.

Director Shippee moved that a rental of stalls, payable in advance, be ordered, and that no stallions be allowed to serve or tease mares within the inclosure, from and after March 1, 1892. So ordered.

The rental rates were then fixed as follows, the new cottage stalls to be reserved: Stalls in new annex and old stables, \$2 per stall per month, and all others at the rate of \$1 per stall per month. Parties renting \$2 stalls and making entries of horses stalled therein in the State Fair races, to be allowed a rebate of \$1 for every month paid for each stall occupied by horses entered in said races.

PRINTING PRIVILEGES.

Bids were handed in for the exclusive right of publishing a daily paper at the State Fair, and distribute same at Park and Pavilion, for 1892.

| | |
|------------------------|-------|
| J. C. Hoag | \$355 |
| D. Johnston & Co. | 255 |

Director La Rue moved that J. C. Hoag's bid be accepted.

Director Boggs moved to defer the letting of this contract until the March meeting.

Director DeLong moved to amend, that each member be bound to secrecy regarding the bids until such meeting. Amendment accepted, and, upon roll call, the motion was carried by the following vote:

Ayes—Directors Boggs, La Rue, Green, DeLong and Hancock. Noes—Directors Chase, Shippee, and Mr. President.

Director DeLong then moved that the privilege for publishing an advertising paper at the State Fair be advertised for proposals, and bids be received at the March meeting of the Society, the right to reject any or all bids to be reserved. So ordered.

After discussion, Director DeLong moved to rescind vote whereby the order to defer the letting of the advertising privilege was made. The roll was called, and the motion carried by the following vote: Ayes—Directors Chase, La Rue, Green, DeLong, and Shippee. Noes—Directors Boggs, Hancock, and Mr. President.

The question then recurred on the motion to let, and resulted in the letting of the privilege to Mr. Hoag.

RAMIE CULTURE.

W. H. Murray presented a report upon ramie culture, which was read and placed on file. Premiums suggested, to be considered by Premium List Committee when appointed.

Mr. Slaughter appeared before the Board with reference to indorsement by this Board of a bill now before Congress relating to a general appropriation to encourage the culture of ramie.

Upon motion of Director DeLong, the bill was ordered submitted for consideration by the Board.

PREMIUM LIST COMMITTEE.

Director Chase moved that the President name a special committee of five on Premium List, at his pleasure. So ordered.

HODSON'S INDEBTEDNESS.

A communication from J. R. Hodson, asking to be relieved of his indebtedness to the Society in consideration of a certain exhibit made by him at the State Fair of 1891, was read.

Upon motion, he was ordered excused from his indebtedness, and reinstatement directed.

REBATE TO I. O. O. F.

Director Green moved that the Independent Order of Odd Fellows be allowed a rebate of \$50 on account of rent of Pavilion.

Upon roll call, the motion was lost by the following vote: Ayes—Directors Chase, La Rue, Green, and DeLong. Noes—Directors Boggs, Hancock, Shippee, and Mr. President.

PREMIUM LIST.

It was ordered that all suggestions regarding premium list be referred to Premium List Committee, when ready.

INSURANCE.

Director DeLong moved that the Secretary be directed to confer with the Attorney-General regarding the law as to insurance. If permissible, he be directed to replace the insurance with the same agents for the same amount as heretofore.

Director Hancock moved to amend by placing the amount of insurance to be written on the State Exposition Building at \$25,000.

Roll was called, and the motion lost by the following vote: Ayes—Directors La Rue, Hancock, Shippee, and Mr. President. Noes—Directors Boggs, Chase, Green, and DeLong.

Director Chase moved to amend by fixing the amount at \$40,000.

Roll was called, and the motion adopted by the following vote: Ayes—Directors Chase, La Rue, Green, DeLong, and President Cox. Noes—Directors Boggs, Hancock, and Shippee.

The original motion, as amended, was then adopted by the following vote: Ayes—Directors Chase, La Rue, Green, DeLong, and President Cox. Noes—Directors Boggs, Hancock, and Shippee.

COLT SWEEPSTAKES.

The following trotting and pacing colt sweepstakes for the State Fair of 1892 were ordered to be given:

FOR TROTTERS.

No. 1. For two-year olds. 2:30 class. \$50 entrance; of which \$10 must accompany nomination; \$15 payable July 1st, and the remaining \$25 payable August 10, 1892; \$300 added by the Society.

No. 2. For three-year olds and under. 2:30 class. \$100 entrance; of which \$25 must accompany nomination; \$25 payable July 1st, and the remaining \$50 payable August 10, 1892; \$400 added by the Society.

No. 3. For four-year olds and under. 2:30 class. (Conditions same as No. 2.)

FOR PACERS.

No. 4. For two-year olds. 2:30 class. (Conditions same as No. 1.)

No. 5. For three-year olds and under. (Conditions as to payments and added money same as No. 2.)

No. 6. For four-year olds and under. (Conditions as to payments and added money same as No. 2.)

General conditions same as those of 1891. Entries to close March 15, 1892.

Upon motion, the Board then adjourned until 1 p. m. on Monday, March 21, 1892.

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|---------|
| CLASS I—THOROUGHBRED HORSES. | | |
| <i>Stallions.</i> | | |
| Daniel S, best three years old..... | C. Halverson, Routiers..... | \$15 00 |
| Wildwood, best two years old..... | C. A. Brown, West Berkeley..... | 20 00 |
| Sonoma Boy, second best..... | D. McCarty, San Francisco..... | 10 00 |
| Vendome, best one year old..... | J. Reavey, San José..... | 15 00 |
| Alliance, second best..... | C. Halverson, Routiers..... | 7 50 |
| <i>Mares.</i> | | |
| Marguerita and colt, best four years old and over with suckling colt..... | Wm. Murry, Sacramento..... | 40 00 |
| Lady Fashion and colt, second best..... | Mrs. Alice Cutler, Sacramento..... | 20 00 |
| Franchise, best four years old and over..... | Wm. Murry, Sacramento..... | 30 00 |
| Maggie S, second best..... | C. Halverson, Routiers..... | 15 00 |
| Emma D, best three years old..... | James Martin, Smartsville..... | 12 50 |
| Zarena, best two years old..... | Cy. Mulkey, San José..... | 15 00 |
| Ettie B, second best..... | C. S. Sargent, Stockton..... | 7 50 |
| <i>Families.</i> | | |
| Eros and five colts, best sire (not thorough- bred) with not less than five of his colts..... | F. H. Burke, Menlo Park..... | 100 00 |
| Maggie S and two colts, best thoroughbred dam and two of her colts..... | C. Halverson, Routiers..... | 37 50 |
| Rose Leaf and two colts, best dam (not thoroughbred) and two of her colts..... | W. J. Prather, Fresno..... | 75 00 |
| CLASS II—STANDARD TROTTERS. | | |
| <i>Stallions.</i> | | |
| Eros, best four years old and over..... | F. H. Burke, Menlo Park..... | 40 00 |
| Alcona, Jr., second best..... | J. P. Rodehaver, Petaluma..... | 20 00 |
| Florin, best three years old..... | W. F. Smith, Sacramento..... | 30 00 |
| Alkiris, second best..... | Robert Christie, Sacramento..... | 15 00 |
| Ceylon, best two years old..... | W. Gardner, Sacramento..... | 10 00 |
| Nero (18,534), best one year old..... | F. H. Burke, Menlo Park..... | 15 00 |
| Barabas, second best..... | W. F. Smith, Sacramento..... | 7 50 |
| Decker,* second best suckling colt..... | H. S. Beals, Sacramento..... | 5 00 |
| Daylight, best gelding..... | F. H. Burke, Menlo Park..... | 20 00 |
| <i>Mares.</i> | | |
| Miller's Maid, best four years old and over..... | H. S. Beals, Sacramento..... | 30 00 |
| Remora, best two years old..... | W. F. Smith, Sacramento..... | 20 00 |
| Abbi Woodnut, second best..... | J. P. Callendine, Sacramento..... | 10 00 |
| Abecca Wilkes,* second best one year old..... | J. P. Callendine, Sacramento..... | 5 00 |
| Maid Button,* second best suckling colt..... | J. P. Callendine, Sacramento..... | 5 00 |
| CLASS III—ROADSTERS. | | |
| <i>Stallions.</i> | | |
| Alcantara, Jr., best four years old and over..... | J. McElroy, College City..... | 40 00 |
| Monitor, second best..... | Heilbron Bros., Sacramento..... | 20 00 |
| Sacramento, best three years old..... | W. F. Smith, Sacramento..... | 30 00 |
| Nelson, second best..... | G. W. Gregory, College City..... | 15 00 |
| Don Lowell, best two years old..... | S. Harris, Yuba City..... | 20 00 |
| Albert Edward, second best..... | W. J. O'Brien, Sacramento..... | 10 00 |
| Olo, best one year old..... | B. E. Harris, San Francisco..... | 15 00 |
| Alfast, second best..... | L. Whitmore, Woodland..... | 7 50 |

* Colts awarded first premium found to be ineligible by reason of not being registered.

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------------|---------|
| Meade, best suckling colt..... | E. Pickett, Elk Grove..... | \$10 00 |
| Jay Wood, second best..... | A. D. Miller, Walsh Station..... | 5 00 |
| Prince, best gelding..... | W. O. Bowers, Sacramento..... | 40 00 |
| Hollywood, second best..... | Miss N. J. Ryan, Sacramento..... | 20 00 |
| <i>Mares.</i> | | |
| Hattie B and colt, best four years old and over with colt..... | Geo. Bement, Oakland..... | 40 00 |
| Lillie and colt, second best..... | A. D. Miller, Walsh Station..... | 20 00 |
| Mollie Frances, best four years old and over..... | Miss N. J. Ryan, Sacramento..... | 30 00 |
| Ventura, second best..... | B. E. Harris, San Francisco..... | 15 00 |
| Bertie, best three years old..... | Capt. Frank Drake, Vallejo..... | 15 00 |
| Rose, best two years old..... | C. C. Perkins, Perkins..... | 20 00 |
| Nellie May, second best..... | Mrs. W. C. Stahl, Pleasant Grove..... | 10 00 |
| Marvel V, best one year old..... | W. M. Billups, Colusa..... | 10 00 |
| Kittie M, second best..... | W. Gardner, Sacramento..... | 5 00 |
| Secret, best suckling colt..... | D. McCarty, San Francisco..... | 10 00 |
| Nettie, second best..... | Mrs. W. C. Stahl, Pleasant Grove..... | 5 00 |
| CLASS IV—CLEVELAND BAYS AND FRENCH COACH. | | |
| <i>Stallions.</i> | | |
| Imperial, best four years old and over..... | Theo. Skillman, Petaluma..... | 40 00 |
| Lord Hartington, second best..... | W. J. Prather, Fresno..... | 20 00 |
| Hunter, best one year old..... | W. J. Prather, Fresno..... | 7 50 |
| Smoothy, best suckling colt..... | W. J. Prather, Fresno..... | 5 00 |
| <i>Mares.</i> | | |
| Rose Leaf and colt, best four years old and over with colt..... | W. J. Prather, Fresno..... | 20 00 |
| Rellington Lassie, best four years old and over..... | W. J. Prather, Fresno..... | 15 00 |
| Hyacinth, best two years old..... | W. J. Prather, Fresno..... | 10 00 |
| CLASS V—CARRIAGE TEAMS. | | |
| Pedro and Sancho, best carriage team..... | B. E. Harris, San Francisco..... | 75 00 |
| Garland and Sister, second best..... | E. M. Leitch, Sacramento..... | 40 00 |
| CLASS VI—ROADSTER TEAMS. | | |
| —, best roadster team..... | D. McCarty, San Francisco..... | 50 00 |
| Sweet Secret and Dolly, second best..... | C. Younger & Son, San José..... | 30 00 |
| CLASS VII—HORSES OF ALL WORK. | | |
| <i>Stallions.</i> | | |
| Adonis, best four years old and over..... | Holbert & Conger, Los Angeles..... | 40 00 |
| Hugo, second best..... | B. E. Harris, San Francisco..... | 20 00 |
| Selim, best three years old..... | Jos. Heintz, Sacramento..... | 30 00 |
| Collier, second best..... | A. B. McRae, Roseville..... | 15 00 |
| Hamilton, best two years old..... | B. M. Lovejoy, Sacramento..... | 10 00 |
| Young Lord, best under one year..... | J. G. Woods, Folsom..... | 5 00 |
| <i>Mares.</i> | | |
| Kate and colt, best four years old and over with colt..... | Joseph Heintz, Sacramento..... | 40 00 |
| Topsey and colt, second best..... | T. Waite, Perkins..... | 20 00 |
| Daisy, best four years old and over..... | W. McIntosh, Roseville..... | 30 00 |
| Susie, second best..... | G. A. Pierce, Fresno..... | 15 00 |
| Maude, best three years old..... | H. H. Wilson, Nicolaus..... | 20 00 |
| Daisy, second best..... | A. B. McRae, Roseville..... | 10 00 |
| Hera, best two years old..... | A. L. Hinds, Oakland..... | 15 00 |
| Kitten, second best..... | A. D. Miller, Walsh Station..... | 7 50 |
| Topsey, best one year old..... | H. H. Wilson, Nicolaus..... | 10 00 |
| Stella, second best..... | Herman Tilden, Nicolaus..... | 5 00 |
| Tricky, best suckling colt..... | W. McIntosh, Roseville..... | 10 00 |
| Leah, second best..... | W. McIntosh, Roseville..... | 5 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--------------------------------------|---------|
| CLASS VIII—DRAFT HORSES—NORMANS. | | |
| <i>Stallions.</i> | | |
| Damala, best four years old and over..... | L. C. Ruble, Rio Vista..... | \$40 00 |
| Leon, second best..... | Theo. Skillman, Petaluma..... | 20 00 |
| Boulanger, best three years old..... | Theo. Skillman, Petaluma..... | 15 00 |
| Rodney, best two years old..... | W. J. Prather, Fresno..... | 10 00 |
| Adonis, best one year old..... | Theo. Skillman, Petaluma..... | 15 00 |
| Damala, Jr., second best..... | L. C. Ruble, Rio Vista..... | 7 50 |
| <i>Mares.</i> | | |
| Maggie, best four years old and over..... | F. A. Dodge, Binghampton..... | 15 00 |
| Susie Darling, best two years old..... | W. J. Prather, Fresno..... | 7 50 |
| Belle, best one year old..... | L. C. Ruble, Rio Vista..... | 5 00 |
| CLASS IX—PERCHERONS. | | |
| <i>Stallions.</i> | | |
| Idore, best four years old and over..... | J. H. Cunningham, Ione..... | 40 00 |
| Oregon, second best..... | J. C. Smith, Oakland..... | 20 00 |
| McGinty, best three years old..... | J. C. Smith, Oakland..... | 15 00 |
| Benoit, best two years old..... | J. C. Smith, Oakland..... | 10 00 |
| —, best under one year..... | J. C. Smith, Oakland..... | 5 00 |
| <i>Mares.</i> | | |
| Laura and colt, best four years old and over with colt..... | J. C. Smith, Oakland..... | 20 00 |
| Theresa, best four years old and over..... | J. C. Smith, Oakland..... | 15 00 |
| Maude, best two years old and over..... | J. C. Smith, Oakland..... | 7 50 |
| CLASS X—CLYDESDALES. | | |
| <i>Stallions.</i> | | |
| Prince, best four years old and over..... | John Coakley, Irvington..... | 40 00 |
| Pride of Clyde, second best..... | C. L. Taylor, Batavia..... | 20 00 |
| Scotia, best two years old..... | C. L. Taylor, Batavia..... | 10 00 |
| Clyde Boy, best one year old..... | T. A. Nufer, Concord..... | 7 50 |
| <i>Mares.</i> | | |
| Duchess and colt, best four years old and over with colt..... | J. H. Glide, Sacramento..... | 40 00 |
| Blossom and colt, second best..... | C. L. Taylor, Batavia..... | 20 00 |
| Jane, best four years old and over..... | C. L. Taylor, Batavia..... | 15 00 |
| Julia, best under one year..... | T. A. Nufer, Concord..... | 5 00 |
| CLASS XI—DRAFT HORSES OTHER THAN NORMANS, PERCHERONS, OR CLYDESDALES. | | |
| <i>Stallions.</i> | | |
| Midge, best four years old and over..... | Holbert & Conger, Los Angeles..... | 40 00 |
| Chillesford's Duke, second best..... | Theo. Skillman, Petaluma..... | 20 00 |
| Lothair 4th, best three years old..... | Parsons & Griffith, Geyserville..... | 30 00 |
| Nateby Chief, second best..... | Holbert & Conger, Los Angeles..... | 15 00 |
| California Tom, best two years old..... | Parsons & Griffith, Geyserville..... | 10 00 |
| Romeo, best one year old..... | Parsons & Griffith, Geyserville..... | 7 50 |
| Pride of Solano, best under one year..... | F. A. Dodge, Binghampton..... | 10 00 |
| French Monarch, second best..... | F. W. Midgley, Sacramento..... | 5 00 |
| <i>Mares.</i> | | |
| Nellie and colt, best four years old and over with colt..... | J. H. Glide, Sacramento..... | 40 00 |
| Daisy and colt, second best..... | H. S. Moddison, Sacramento..... | 20 00 |
| Myrtle, best four years old and over..... | H. H. Wilson, Nicolaus..... | 30 00 |
| Maggie, second best..... | C. Studarus, Routiers..... | 15 00 |
| Jennie, best three years old..... | Herman Tilden, Nicolaus..... | 25 00 |
| Daisy, second best..... | H. H. Wilson, Nicolaus..... | 12 50 |
| Mattie, best two years old..... | F. W. Midgley, Sacramento..... | 7 50 |
| Queen of Scots, best one year old..... | F. A. Dodge, Binghampton..... | 5 00 |
| Queen, best suckling colt..... | C. Studarus, Routiers..... | 10 00 |
| Queen, second best..... | A. L. Warren, Perkins..... | 5 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--------------------------------|---------|
| WALKING MATCH. | | |
| General, best | Wm. McIntosh, Roseville..... | \$40 00 |
| Illiers, second best | W. J. Prather, Fresno..... | 25 00 |
| CLASS XII—SADDLE HORSES. | | |
| Walker Montrose, best | W. M. Billups, Colusa | 40 00 |
| J O, second best | H. A. Mayhew, Niles..... | 20 00 |
| CLASS XIII—SWEEPSTAKES. | | |
| Eros, best stallion..... | F. H. Burke, Menlo Park | 140 00 |
| Rose Leaf, best mare | W. J. Prather, Fresno | 120 00 |
| CLASS XIV—JACKS, JENNIES, ETC. | | |
| <i>Jacks.</i> | | |
| Brigham, best four years old and over.... | J. D. Rosenberger, Colusa..... | 40 00 |
| Grover Cleveland, second best..... | J. D. Rosenberger, Colusa..... | 20 00 |
| Sam, best three years old..... | J. D. Rosenberger, Colusa..... | 15 00 |
| Jack, best two years old..... | J. D. Rosenberger, Colusa..... | 10 00 |
| <i>Jennies.</i> | | |
| Fannie, best four years old and over..... | C. Studarus, Routiers..... | 15 00 |
| Queen, best two years old | C. Studarus, Routiers | 7 50 |
| Bird, best one year old | C. Studarus, Routiers | 5 00 |
| <i>Mules.</i> | | |
| Kit and Jan, best matched span three years old and over, California-bred..... | Herman Tilden, Nicolaus..... | 40 00 |
| Sam and Bob, second best | J. Jones, Pleasant Grove | 20 00 |
| Maggie, best two years old | C. Studarus, Routiers | 25 00 |

CATTLE.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------------|---------|
| FAT STOCK PREMIUMS. | | |
| Princess, best thoroughbred spayed heifer of any class, three years old and over.... | P. H. Murphy, Brighton..... | \$40 00 |
| Nevada Bell 8th, second best..... | C. Younger & Son, San José | 20 00 |
| CLASS I—DURHAMS. | | |
| <i>Dairy Prizes.</i> | | |
| Cherry Leaf, by Cherry Duke (59,126), two days' milkings, 1.067½ lbs. of butter; best cow three years old and over, making the most butter in a two days' test..... | V. E. Hill, Hanford..... | 100 00 |
| Mountain Maid, by Duke of Manchester (47,972), two days' milkings, .565 of a lb. of butter; second best..... | P. Petersen, Sites | 50 00 |
| <i>Bulls.</i> | | |
| 44th Kirklevington of Forest Home, best three years old and over..... | C. Younger & Son, San José..... | 40 00 |
| 28th Grand Duke of Gloster, second best.. | Heilbron Bros., Sacramento..... | 20 00 |
| Elesby's Duke, best two years old..... | Heilbron Bros., Sacramento..... | 30 00 |
| Manunga Duke 8d, second best..... | J. M. Dixon, Colusa | 15 00 |
| 3d Duke of Wildflower, best one year old.. | Heilbron Bros., Sacramento..... | 20 00 |
| 4th Duke of Wildflower, second best..... | Heilbron Bros., Sacramento..... | 10 00 |
| 5th Duke of Wildflower, best under one year | Heilbron Bros., Sacramento..... | 15 00 |
| Chief of Antelope, second best..... | P. Petersen, Sites | 7 50 |
| <i>Cows.</i> | | |
| Jessie Maynard 4th, best three years old and over | C. Younger & Son, San José..... | 40 00 |
| 21st Rose of Forest Home, second best.... | C. Younger & Son, San José | 20 00 |
| Jessie Maynard 5th, best two years old.... | C. Younger & Son, San José..... | 30 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|----------------------------------|---------|
| 3d Duke of Aberdeen, second best..... | Heilbron Bros., Sacramento..... | \$15 00 |
| 5th Duke of Aberdeen, best one year old..... | Heilbron Bros., Sacramento..... | 20 00 |
| 10th Duke of Aberdeen, second best..... | Heilbron Bros., Sacramento..... | 10 00 |
| 14th Duke of Aberdeen, best under one year..... | Heilbron Bros., Sacramento..... | 15 00 |
| Ruby B, second best..... | P. Petersen, Sites..... | 7 50 |
| <i>Herd.</i> | | |
| 44th Kirklevington of Forest Home and four cows, best herd over two years old..... | C. Younger & Son, San José..... | 60 00 |
| 3d Duke of Wildflower and four cows, best herd under two years old..... | Heilbron Bros., Sacramento..... | 30 00 |
| <i>Sweepstakes.</i> | | |
| 28th Grand Duke of Gloster, best bull of any age..... | Heilbron Bros., Sacramento..... | 65 00 |
| Water Queen, best cow of any age..... | Heilbron Bros., Sacramento..... | 70 00 |
| CLASS III—HEREFORDS. | | |
| <i>Bulls.</i> | | |
| Sir Stanley, best three years old and over..... | Heilbron Bros., Sacramento..... | 40 00 |
| Grateful Prince, second best..... | G. Bement & Son, Oakland..... | 20 00 |
| Pirate, best two years old..... | Heilbron Bros., Sacramento..... | 15 00 |
| Noah, best one year old..... | Heilbron Bros., Sacramento..... | 10 00 |
| Gay Lord, best under one year..... | Heilbron Bros., Sacramento..... | 7 50 |
| <i>Cows.</i> | | |
| Mabel, best three years old and over..... | Heilbron Bros., Sacramento..... | 20 00 |
| Lady Cora, best two years old..... | Heilbron Bros., Sacramento..... | 30 00 |
| Pearl, second best..... | Heilbron Bros., Sacramento..... | 15 00 |
| Lady Stanley 2d, best one year old..... | Heilbron Bros., Sacramento..... | 10 00 |
| Queen Anna, best under one year..... | Heilbron Bros., Sacramento..... | 7 50 |
| <i>Herd.</i> | | |
| Sir Stanley and four cows, best old herd..... | Heilbron Bros., Sacramento..... | 30 00 |
| Noah and four cows, best young herd..... | Heilbron Bros., Sacramento..... | 15 00 |
| <i>Sweepstakes.</i> | | |
| Pirate, best bull of any age..... | Heilbron Bros., Sacramento..... | 65 00 |
| Mabel, best cow of any age..... | Heilbron Bros., Sacramento..... | 27 50 |
| CLASS IV—ANGUS OR GALLOWAYS. | | |
| <i>Bulls.</i> | | |
| Brilliant, best three years old and over..... | Dr. G. M. Dixon, Sacramento..... | 40 00 |
| Kier's Knight, second best..... | J. E. Camp, Perkins..... | 20 00 |
| Egbert Laird, best two years old..... | J. E. Camp, Perkins..... | 30 00 |
| Little Wonder 4th, second best..... | W. B. Gibson, Woodland..... | 15 00 |
| Duke, best one year old..... | W. B. Gibson, Woodland..... | 20 00 |
| Nero, second best..... | Dr. G. M. Dixon, Sacramento..... | 10 00 |
| Nox, best under one year..... | Dr. G. M. Dixon, Sacramento..... | 15 00 |
| Wonder 5th, second best..... | W. B. Gibson, Woodland..... | 7 50 |
| <i>Cows.</i> | | |
| Coquette 2d of L. F., best three years old and over..... | Dr. G. M. Dixon, Sacramento..... | 40 00 |
| Nevada, second best..... | W. B. Gibson, Woodland..... | 20 00 |
| Ethel Wyne, best two years old..... | J. E. Camp, Perkins..... | 30 00 |
| Dorcas of Argonaut, second best..... | Dr. G. M. Dixon, Sacramento..... | 15 00 |
| Coquette of Argonaut, best one year old..... | Dr. G. M. Dixon, Sacramento..... | 20 00 |
| Miss Hanning 2d, second best..... | W. B. Gibson, Woodland..... | 10 00 |
| Lady Argonaut, best under one year..... | Dr. G. M. Dixon, Sacramento..... | 15 00 |
| Etta May, second best..... | J. E. Camp, Perkins..... | 7 50 |
| <i>Herd.</i> | | |
| Little Wonder and four cows, best old herd..... | W. B. Gibson, Woodland..... | 60 00 |
| Egbert Laird and four cows, best young herd..... | J. E. Camp, Perkins..... | 15 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------------|---------|
| <i>Sweepstakes.</i> | | |
| Kier's Knight, best bull of any age..... | J. E. Camp, Perkins..... | \$70 00 |
| Reno, best cow of any age..... | W. B. Gibson, Woodland..... | 75 00 |
| CLASS VI—HOLSTEINS. | | |
| <i>Bulls.</i> | | |
| King Aaggie Clothilde, best three years old and over..... | G. B. Polhemus, Coyote..... | 40 00 |
| Aaggie Cortez, second best..... | F. H. Burke, Menlo Park..... | 20 00 |
| Troy Sedro, best two years old..... | F. H. Burke, Menlo Park..... | 30 00 |
| Thessa Lad, second best..... | F. H. Burke, Menlo Park..... | 15 00 |
| Lord Thessa, best one year old..... | F. H. Burke, Menlo Park..... | 20 00 |
| San Mateo, second best..... | F. H. Burke, Menlo Park..... | 10 00 |
| Fanje's Aaggie Clothilde, best calf..... | G. B. Polhemus, Coyote..... | 15 00 |
| Lincoln Menlo, second best..... | F. H. Burke, Menlo Park..... | 7 50 |
| <i>Cows.</i> | | |
| Ant. Poel, best three years old and over..... | G. B. Polhemus, Coyote..... | 40 00 |
| Sylpha, second best..... | F. H. Burke, Menlo Park..... | 20 00 |
| Linta, best two years old..... | F. H. Burke, Menlo Park..... | 30 00 |
| Rebecca Egmond 2d, second best..... | G. B. Polhemus, Coyote..... | 15 00 |
| Princess of Menlo, best one year old..... | F. H. Burke, Menlo Park..... | 20 00 |
| Fanje's 2d Queen, second best..... | G. B. Polhemus, Coyote..... | 10 00 |
| Fanje's 3d Mayflower, best under one year..... | G. B. Polhemus, Coyote..... | 15 00 |
| Barbara Queen, second best..... | H. B. Nichols, Grass Valley..... | 7 50 |
| <i>Herd.</i> | | |
| King Aaggie Clothilde and four cows, best old herd..... | G. B. Polhemus, Coyote..... | 60 00 |
| Lord Thessa and four cows, best young herd..... | F. H. Burke, Menlo Park..... | 15 00 |
| <i>Sweepstakes.</i> | | |
| Aaggie Cortez, best bull of any age..... | F. H. Burke, Menlo Park..... | 65 00 |
| Ant. Poel, best cow of any age..... | G. B. Polhemus, Coyote..... | 60 00 |
| CLASS VII—JERSEYS. | | |
| <i>Bulls.</i> | | |
| Santa Rosa Chief, best three years old and over..... | T. Ward, Oakland..... | 40 00 |
| Queen's Ben Lomond, second best..... | A. L. Nichols, Sacramento..... | 20 00 |
| Colorado, best two years old..... | H. A. Mayhew, Niles..... | 15 00 |
| Geo. B of St. Lambert, best one year old..... | W. C. Smith, Florin..... | 10 00 |
| Climax E, best under one year..... | P. Stanton, Sacramento..... | 7 50 |
| <i>Cows.</i> | | |
| Silver Bell, best three years old and over..... | H. A. Mayhew, Niles..... | 40 00 |
| Sadie, second best..... | T. Ward, Oakland..... | 20 00 |
| Niles Beauty, best two years old..... | H. A. Mayhew, Niles..... | 30 00 |
| Maud S, second best..... | W. C. Smith, Florin..... | 15 00 |
| Clemmy, best one year old..... | H. A. Mayhew, Niles..... | 20 00 |
| Lucy 2d, second best..... | T. Ward, Oakland..... | 10 00 |
| Brown Betty, best calf..... | W. C. Smith, Florin..... | 15 00 |
| Silver Bell 3d, second best..... | H. A. Mayhew, Niles..... | 7 50 |
| <i>Herd.</i> | | |
| Colorado and four cows, best old herd..... | H. A. Mayhew, Niles..... | 60 00 |
| Climax E and four cows, best young herd..... | P. Stanton, Sacramento..... | 30 00 |
| <i>Sweepstakes.</i> | | |
| Geo. B of St. Lambert, best bull of any age..... | W. C. Smith, Florin..... | 70 00 |
| Silver Bell, best cow of any age..... | H. A. Mayhew, Niles..... | 65 00 |
| CLASS VIII—AYRESHIRE. | | |
| <i>Bulls.</i> | | |
| Red Mikado, best three years old and over..... | George Bement & Son, Oakland..... | 40 00 |
| Pride of Grass Valley, second best..... | H. B. Nichols, Grass Valley..... | 20 00 |
| Faust, best two years old..... | George Bement & Son, Oakland..... | 15 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|----------------------------------|---------|
| Frazier, best one year old..... | George Bement & Son, Oakland... | \$10 00 |
| Festus, best calf..... | George Bement & Son, Oakland... | 15 00 |
| Pretty's Boy, second best..... | H. B. Nichols, Grass Valley..... | 7 50 |
| <i>Cows.</i> | | |
| Marian, best three years old and over..... | George Bement & Son, Oakland... | 40 00 |
| Bonnie Belle, second best..... | H. B. Nichols, Grass Valley..... | 20 00 |
| Pretty, best two years old..... | H. B. Nichols, Grass Valley..... | 80 00 |
| Satilla, second best..... | George Bement & Son, Oakland... | 15 00 |
| Manon, best one year old..... | George Bement & Son, Oakland... | 20 00 |
| Bonnie Dora, second best..... | H. B. Nichols, Grass Valley..... | 10 00 |
| Bonnie Irene, best under one year..... | H. B. Nichols, Grass Valley..... | 15 00 |
| Serena, second best..... | George Bement & Son, Oakland... | 7 50 |
| <i>Herd.</i> | | |
| Red Mikado and four cows, best old herd..... | George Bement & Son, Oakland... | 60 00 |
| Frazier and four cows, best young herd..... | George Bement & Son, Oakland... | 15 00 |
| <i>Sweepstakes.</i> | | |
| Red Mikado, best bull of any age..... | George Bement & Son, Oakland... | 60 00 |
| Marian, best cow of any age..... | George Bement & Son, Oakland... | 60 00 |
| CLASS IX—GRADED. | | |
| <i>Cows.</i> | | |
| Duchess, best three years old and over..... | V. E. Hill, Hanford..... | 30 00 |
| Bright Eye, best one year old..... | C. I. Lowell, Sacramento..... | 5 00 |
| Aaggie, best heifer calf..... | P. H. Murphy, Brighton..... | 5 00 |
| CLASS X—HERD SWEEPSTAKES. | | |
| Sir Stanley and four cows, best beef breed..... | Heilbron Bros., Sacramento..... | 140 00 |
| Aaggie Cortez and four cows, best milk breed..... | F. H. Burke, Menlo Park..... | 120 00 |
| CLASS XI—MILCH COWS. | | |
| Ant. Poel, best milch cow..... | G. B. Polhemus, Coyote..... | 80 00 |
| Sylpha, second best..... | F. H. Burke, Menlo Park..... | 20 00 |

SHEEP.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------|---------|
| CLASS I—SPANISH MERINO. | | |
| Wonder, best ram two years old and over..... | F. Bullard, Woodland..... | \$30 00 |
| Pay Car, second best..... | J. H. Glide, Sacramento..... | 15 00 |
| Sprightly, best ram one year old and under two..... | F. Bullard, Woodland..... | 11 25 |
| Best three ram lambs..... | F. Bullard, Woodland..... | 11 25 |
| Best pen of five ewes, two years old and over..... | F. Bullard, Woodland..... | 11 25 |
| Best pen of five ewes, one year old and under two..... | F. Bullard, Woodland..... | 11 25 |
| Best pen of five ewe lambs..... | F. Bullard, Woodland..... | 11 25 |
| Best ram and five of his lambs..... | F. Bullard, Woodland..... | 15 00 |
| CLASS II—FRENCH MERINO. | | |
| Improvement, best ram two years old and over..... | J. H. Glide, Sacramento..... | 15 00 |
| Adonis, best ram one year old and under two..... | J. H. Glide, Sacramento..... | 11 25 |
| Best three ram lambs..... | J. H. Glide, Sacramento..... | 11 25 |
| Best pen of five ewes, two years old and over..... | J. H. Glide, Sacramento..... | 11 25 |
| Best pen of five ewes, one year old and under two..... | J. H. Glide, Sacramento..... | 11 25 |
| Best pen of not less than five ewe lambs..... | J. H. Glide, Sacramento..... | 11 25 |
| Best ram and five of his lambs..... | J. H. Glide, Sacramento..... | 15 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------|---------|
| CLASS III—SOUTHDOWN. | | |
| Manuel Rivers, best ram of any age..... | Geo. Bement & Son, Oakland..... | \$10 00 |
| Best pen of ewes of any age..... | Geo. Bement & Son, Oakland..... | 10 00 |
| CLASS V—SHROPSHIRE. | | |
| Redwood Prince, best ram of any age..... | A. Smith, Redwood City..... | 10 00 |
| Best pen of not less than five ewes, any age..... | A. Smith, Redwood City..... | 10 00 |
| Royal Prince, best ram and five of his lambs..... | A. Smith, Redwood City..... | 10 00 |
| Best three ram lambs..... | A. Smith, Redwood City..... | 11 25 |
| Best five ewe lambs..... | A. Smith, Redwood City..... | 11 25 |
| SWEEPSTAKES. | | |
| Wonder and five lambs, best Merino ram and five of his lambs..... | F. Bullard, Woodland..... | 36 00 |
| Redwood Prince and five lambs, best Shropshire and five of his lambs..... | A. Smith, Redwood City..... | 18 00 |

ANGORA GOATS.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------|---------|
| THOROUGHBREDS. | | |
| Soudan, best buck two years old and over..... | C. P. Bailey, San José..... | \$25 00 |
| Nevada, second best..... | C. P. Bailey, San José..... | 12 50 |
| Mariposa, best buck under two years..... | C. P. Bailey, San José..... | 15 00 |
| Sacramento, second best..... | C. P. Bailey, San José..... | 7 50 |
| Best pen of not less than three does, two years old and over..... | C. P. Bailey, San José..... | 12 50 |
| Best pen of not less than three does under two years..... | C. P. Bailey, San José..... | 7 50 |
| HERDS. | | |
| Best herd of not less than ten of any age or breed..... | C. P. Bailey, San José..... | 15 00 |

SWINE.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------|---------|
| CLASS I—BERKSHIRE. | | |
| Model Prince, best boar two years old and over..... | A. Smith, Redwood City..... | \$20 00 |
| Redwood Prince, second best..... | T. Waite, Perkins..... | 10 00 |
| Warrior, best boar one year old..... | C. C. Perkins, Perkins..... | 15 00 |
| Royal Duke, second best..... | A. Smith, Redwood City..... | 7 50 |
| Model Duke 2d, best boar six months old and under one year..... | A. Smith, Redwood City..... | 10 00 |
| Pedro, second best..... | T. Waite, Perkins..... | 5 00 |
| Redwood Belle, best breeding sow two years old and over..... | T. Waite, Perkins..... | 20 00 |
| Ella, second best..... | A. Smith, Redwood City..... | 10 00 |
| Perfection 2d, best sow one year old and under two..... | A. Smith, Redwood City..... | 15 00 |
| Lillie, second best..... | T. Waite, Perkins..... | 7 50 |
| Redwood Stumpy, best sow six months old and under one year..... | A. Smith, Redwood City..... | 10 00 |
| Lady Barker, second best..... | T. Waite, Perkins..... | 5 00 |
| Redwood Belle and six pigs, best sow and six pigs under three months..... | T. Waite, Perkins..... | 20 00 |
| Royal Beauty and six pigs, second best..... | A. Smith, Redwood City..... | 10 00 |
| Redwood Chief and —, best pair of pigs under six months..... | A. Smith, Redwood City..... | 15 00 |
| Cora and —, second best..... | A. Smith, Redwood City..... | 7 50 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------|---------|
| <i>Sweepstakes.</i> | | |
| Model Duke, best boar of any age | A. Smith, Redwood City | \$24 00 |
| Redwood Belle, best sow of any age | T. Waite, Perkins | 24 00 |
| Best pen of six pigs under six months | A. Smith, Redwood City | 24 00 |
| Best family—one boar, two sows, and six pigs | A. Smith, Redwood City | 24 00 |
| CLASS II—ESSEX. | | |
| Martin, best boar two years old and over .. | G. Bement & Son, Oakland | 10 00 |
| —, best boar six months old and under one year | G. Bement & Son, Oakland | 5 00 |
| —, best sow one year old and under two | G. Bement & Son, Oakland | 7 50 |
| —, best sow six months old and under one year | G. Bement & Son, Oakland | 5 00 |
| Best pair of pigs under six months | G. Bement & Son, Oakland | 7 50 |
| <i>Sweepstakes.</i> | | |
| Martin, best boar of any age | G. Bement & Son, Oakland | 12 00 |
| —, best sow of any age | G. Bement & Son, Oakland | 12 00 |
| CLASS III—POLAND-CHINA. | | |
| King of the West, best boar two years old and over | J. Melvin, Davisville | 20 00 |
| San Carlos, second best | A. Smith, Redwood City | 10 00 |
| Alex Choice, best boar one year old and under two | P. H. Murphy, Perkins | 15 00 |
| Gabriel, second best | Paul Scheppa, Batavia | 7 50 |
| Tecumseh, best boar six months old and under one year | A. Smith, Redwood City | 10 00 |
| Alliance, second best | P. H. Murphy, Perkins | 5 00 |
| Redwood Ruby, best sow two years old and over | A. Smith, Redwood City | 20 00 |
| Anylea Golddust, second best | J. Melvin, Davisville | 10 00 |
| Belle of Richmond, best sow one year old and under two | P. H. Murphy, Perkins | 15 00 |
| Beauty, second best | A. Smith, Redwood City | 7 50 |
| Gem, best sow six months old and under one year | A. Smith, Redwood City | 10 00 |
| Buckeye Belle, second best | P. H. Murphy, Perkins | 5 00 |
| Princess and six pigs, best sow and six pigs under three months | A. Smith, Redwood City | 20 00 |
| Bertha Bess and six pigs, second best | J. Melvin, Davisville | 10 00 |
| Best pair of pigs under six months | A. Smith, Redwood City | 15 00 |
| Second best | J. Melvin, Davisville | 7 50 |
| <i>Sweepstakes.</i> | | |
| King of the West, best boar of any age | J. Melvin, Davisville | 28 00 |
| Redwood Ruby, best sow of any age | A. Smith, Redwood City | 28 00 |
| Best pen of six pigs under six months | A. Smith, Redwood City | 12 00 |
| Best family—one boar, two sows, and six pigs | A. Smith, Redwood City | 12 00 |

POULTRY.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------------|--------|
| LIGHT BRAHMAS. | | |
| Best cock and hen | C. J. Cox, Sacramento | \$3 00 |
| Best cockerel and pullet | T. Waite, Perkins | 3 00 |
| Best breeding pen, to consist of one male and four females | C. J. Cox, Sacramento | 10 00 |
| DARK BRAHMAS. | | |
| Best cock and hen | T. Waite, Perkins | 3 00 |
| Best cockerel and pullet | George Tufzer, Sacramento | 3 00 |
| Best breeding pen, to consist of one male and four females | T. Waite, Perkins | 5 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|--------|
| LANGSHANS. | | |
| Best cock and hen..... | Mrs. H. Triechler, Sacramento..... | \$3 00 |
| Best cockerel and pullet..... | George Tufzer, Sacramento..... | 3 00 |
| BUFF COCHINS. | | |
| Best cock and hen..... | T. Waite, Perkins..... | 3 00 |
| Best cockerel and pullet..... | T. Waite, Perkins..... | 3 00 |
| Best breeding pen, to consist of one male and four females..... | T. Waite, Perkins..... | 5 00 |
| PARTRIDGE COCHINS. | | |
| Best cock and hen..... | E. H. Freeman, Santa Clara..... | 3 00 |
| Best cockerel and pullet..... | E. H. Freeman, Santa Clara..... | 3 00 |
| Best breeding pen, to consist of one male and four females..... | E. H. Freeman, Santa Clara..... | 5 00 |
| PLYMOUTH ROCKS. | | |
| Best cock and hen—two kinds, barred and white..... | E. H. Freeman, Santa Clara..... | 6 00 |
| Best cockerel and pullet—two kinds..... | E. H. Freeman, Santa Clara..... | 6 00 |
| Best breeding pen, barred and white..... | E. H. Freeman, Santa Clara..... | 20 00 |
| BLACK LEGHORNS. | | |
| Best cock and hen..... | George Tufzer, Sacramento..... | 3 00 |
| BROWN LEGHORNS. | | |
| Best cock and hen..... | W. A. French, Stockton..... | 3 00 |
| Best cockerel and pullet..... | W. A. French, Stockton..... | 3 00 |
| Best breeding pen, to consist of one male and four females..... | W. A. French, Stockton..... | 10 00 |
| WHITE LEGHORNS. | | |
| Best cock and hen..... | George Tufzer, Sacramento..... | 3 00 |
| Best cockerel and pullet..... | George Tufzer, Sacramento..... | 3 00 |
| Best breeding pen, to consist of one male and four females..... | George Tufzer, Sacramento..... | 10 00 |
| WHITE-FACED BLACK SPANISH. | | |
| Best cock and hen..... | T. Waite, Perkins..... | 3 00 |
| Best cockerel and pullet..... | W. A. French, Stockton..... | 3 00 |
| Best breeding pen, to consist of one male and four females..... | T. Waite, Perkins..... | 5 00 |
| HOUDANS. | | |
| Best cock and hen..... | T. Waite, Perkins..... | 3 00 |
| Best cockerel and pullet..... | T. Waite, Perkins..... | 3 00 |
| Best breeding pen, to consist of one male and four females..... | T. Waite, Perkins..... | 10 00 |
| SILVER-SPANGLED HAMBURG. | | |
| Best cock and hen..... | C. J. Cox, Sacramento..... | 3 00 |
| Best breeding pen, to consist of one male and four females..... | C. J. Cox, Sacramento..... | 5 00 |
| POLISH. | | |
| Best cock and hen..... | T. Waite, Perkins..... | 3 00 |
| Best cockerel and pullet..... | T. Waite, Perkins..... | 3 00 |
| Best breeding pen, to consist of one male and four females..... | T. Waite, Perkins..... | 5 00 |
| WYANDOTTES. | | |
| Best cock and hen (silver)..... | R. G. Head, Napa..... | 3 00 |
| Best cockerel and pullet (white)..... | E. H. Freeman, Santa Clara..... | 3 00 |
| Best breeding pen (golden)..... | E. H. Freeman, Santa Clara..... | 3 00 |
| Best cockerel and pullet (silver)..... | R. G. Head, Napa..... | 3 00 |
| Best cockerel and pullet (white)..... | E. H. Freeman, Santa Clara..... | 3 00 |
| Best breeding pen (silver)..... | R. G. Head, Napa..... | 10 00 |
| Best breeding pen (white)..... | E. H. Freeman, Santa Clara..... | 10 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------|--------|
| SEABRIGHT BANTAMS. | | |
| Best cock and hen..... | E. H. Freeman, Santa Clara..... | \$3 00 |
| Best breeding pen, to consist of one male and four females..... | E. H. Freeman, Santa Clara..... | 5 00 |
| BLACK-BREADED RED GAME BANTAMS. | | |
| Best cock and hen..... | E. H. Freeman, Santa Clara..... | 3 00 |
| Best breeding pen, to consist of one male and four females..... | E. H. Freeman, Santa Clara..... | 5 00 |
| TURKEYS. | | |
| Best pair Bronze turkeys..... | W. A. French, Stockton..... | 10 00 |
| Second best..... | R. G. Head, Napa..... | 5 00 |
| Best pair Wild turkeys..... | R. G. Head, Napa..... | 10 00 |
| Second best..... | T. Waite, Perkins..... | 5 00 |
| GEESE. | | |
| Best pair Toulouse geese..... | P. Stanton, Sacramento..... | 5 00 |
| Second best..... | T. Waite, Perkins..... | 3 00 |
| DUCKS. | | |
| Best pair Pekin ducks..... | C. J. Cox, Sacramento..... | 5 00 |
| Second best..... | T. Waite, Perkins..... | 3 00 |
| GUINEA FOWLS. | | |
| Best pair Guinea fowls..... | W. A. French, Stockton..... | 5 00 |
| Second best..... | C. J. Cox, Sacramento..... | 3 00 |
| Best pair Guinea fowls (white)..... | E. H. Freeman, Santa Clara..... | 5 00 |
| Second best..... | E. H. Freeman, Santa Clara..... | 3 00 |
| WHITE MONOSKA (SPECIAL). | | |
| Best cock and hen..... | E. H. Freeman, Santa Clara..... | 3 00 |
| PEKIN BANTAMS (SPECIAL). | | |
| Best cock and hen..... | E. H. Freeman, Santa Clara..... | 3 00 |
| Best cockerel and pullet..... | E. H. Freeman, Santa Clara..... | 3 00 |
| Best breeding pen..... | E. H. Freeman, Santa Clara..... | 5 00 |
| BLACK MINORCAS (SPECIAL). | | |
| Best cock and hen..... | W. A. French, Stockton..... | 3 00 |
| Best cockerel and pullet..... | W. A. French, Stockton..... | 3 00 |

SECOND DEPARTMENT.

MACHINERY, IMPLEMENTS, ETC.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------------|-----------|
| CLASS I—MACHINERY, ENGINES, ETC. | | |
| Best display of machinery from one shop..... | Byron Jackson, San Francisco... | \$50 00 |
| Best steam engine, California manufacture..... | Byron Jackson, San Francisco..... | 30 00 |
| Best apparatus for raising water for irrigating or mining purposes..... | Byron Jackson, San Francisco..... | 20 00 |
| Best traction steam engine..... | Daniel Best, San Leandro..... | 100 00 |
| Best vapor or gas engine..... | Daniel Best, San Leandro..... | 30 00 |
| Best portable hand machine for manufacturing field or garden fence..... | Stanton, Thomson & Co., Sac'to .. | 10 00 |
| Best gas machine, in operation..... | Badlam Bros., San Francisco..... | Sil. med. |
| Best waterwheel, California manufacture..... | Pelton Waterwheel Co., San Fran.. | \$15 00 |
| Best waterwheel..... | Pelton Waterwheel Co., San Fran.. | Diploma. |
| Best quartz crusher, California manufacture..... | Pelton Waterwheel Co., San Fran.. | \$15 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---|-----------|
| Best light portable prospecting mill for reducing quartz | Frank A. Huntington, San Fran... | \$15 00 |
| Best grinder and amalgamating pan combined | Frank A. Huntington, San Fran... | 15 00 |
| Best machine for securing gold from quartz, California manufacture | Frank A. Huntington, San Fran... | 25 00 |
| Best machine for reducing cement and securing the gold, California manufacture | Frank A. Huntington, San Fran... | 25 00 |
| Best spray pump for orchards | D. C. Cruming, Los Gatos | 25 00 |
| Best well pump | Frank A. Huntington, San Fran... | 10 00 |
| CLASS II—AGRICULTURAL MACHINES— FIRST DIVISION. | | |
| Best thrashing machine | Baker & Hamilton, Sacramento | 30 00 |
| Best cider mill and press | Baker & Hamilton, Sacramento | Diploma. |
| Best horse hay rake | Baker & Hamilton, Sacramento | \$5 00 |
| Best power corn sheller | Baker & Hamilton, Sacramento | Diploma. |
| Best hand corn sheller | Baker & Hamilton, Sacramento | Diploma. |
| Best lawn mower | Baker & Hamilton, Sacramento | Diploma. |
| Best display of agricultural machinery by one house, California manufacture | Benicia Agricultural Wks., Benicia | \$50 00 |
| Best hay and straw cutter | G. G. Wickson & Co., San Fran... | Diploma. |
| Best vegetable cutter | G. G. Wickson & Co., San Fran... | Diploma. |
| Best hay press | J. F. Hill, Sacramento | \$20 00 |
| For gopher trap | Schaw, Ingram, Batcher & Co., Sacramento | Diploma. |
| Best lawn sprinkler | Schaw, Ingram, Batcher & Co., Sacramento | Diploma. |
| CLASS III—AGRICULTURAL MACHINES— SECOND DIVISION. | | |
| Best mowing machine | Stanton, Thomson & Co., Sac'to | \$10 00 |
| Best self-binding harvester | Stanton, Thomson & Co., Sac'to | 20 00 |
| Best hay-pitching machine | Stanton, Thomson & Co., Sac'to | 10 00 |
| Best field roller and crusher | Stanton, Thomson & Co., Sac'to | 10 00 |
| Best one-horse cultivator | Stanton, Thomson & Co., Sac'to | 5 00 |
| Best wheat drill | Baker & Hamilton, Sacramento | 10 00 |
| Best combined reaper and mower | Baker & Hamilton, Sacramento | 10 00 |
| Best corn planter (horse power) | Baker & Hamilton, Sacramento | 5 00 |
| Best potato planter | Baker & Hamilton, Sacramento | 5 00 |
| For potato digger | Baker & Hamilton, Sacramento | Diploma. |
| Best grain broadcast sowing machine | Benicia Agricultural Wks., Benicia | \$10 00 |
| Best harrow | Benicia Agricultural Wks., Benicia | 10 00 |
| Best beet seeder and cultivator | S. W. Luitwieler, Los Angeles | Sil. med. |
| Best cultivator | Benicia Agricultural Wks., Benicia | \$10 00 |
| For horse hoe | Benicia Agricultural Wks., Benicia | Diploma. |
| For double-shovel plow | Benicia Agricultural Wks., Benicia | Diploma. |
| Best combined clod crusher, harrow, pulverizer, and leveler | G. G. Wickson & Co., San Fran... | Sil. med. |
| Best weed cutter | Isaac Sylvester, Williams | \$5 00 |
| Best ramie-cleaning machine | W. H. Murray, San Francisco | 20 00 |
| For sidehill, link belt combined header and thrasher | Holt Bros., Stockton | Sp. men. |
| CLASS IV—AGRICULTURAL MACHINES— THIRD DIVISION. | | |
| Best farm gate | J. T. Roberson, Vacaville | \$10 00 |
| For refrigerator | Holbrook, Merrill & Stetson, Sac'to | Diploma. |
| Best beehive | E. B. Beecher, Auburn | \$3 00 |
| Best grain cleaner, independent | Daniel Best, San Leandro | 10 00 |
| Best platform scales | Schaw, Ingram, Batcher & Co., Sacramento | Sil. med. |
| Best farm feed mill | Benicia Agricultural Wks., Benicia | \$10 00 |
| Best windmill, "Aërometer" | W. H. Luelling, Sacramento | 25 00 |
| CLASS V—TOOLS AND HOUSEHOLD IMPLEMENTS. | | |
| Best washing machine, "The Pacific" | J. M. Bunch, Eugene, Oregon | Sil. med. |
| Best display of haying and harvesting tools | Stanton, Thomson & Co., Sac'to | \$10 00 |
| Best garden seed drill | Baker & Hamilton, Sacramento | 2 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---|------------------|
| Best clothes wringer..... | A. S. Hopkins & Bro., Sacramento. | Diploma. |
| Best clothes horse, to occupy least space .. | A. S. Hopkins & Bro., Sacramento. | Diploma. |
| Best display of dairy machinery..... | G. G. Wickson & Co., San Fran. | \$20 00 |
| Best cream separator..... | G. G. Wickson & Co., San Fran. | Sil. med. |
| Best cheese vat, with heater attached..... | G. G. Wickson & Co., San Fran. | \$10 00 |
| Best churn..... | G. G. Wickson & Co., San Fran. | 5 00 |
| Best butter worker..... | G. G. Wickson & Co., San Fran. | Diploma. |
| Best milk cooler..... | G. G. Wickson & Co., San Fran. | Diploma. |
| Best wine and cider press..... | Commercial Mch. Co., San Fran. | Dip. & \$10 |
| Best sausage meat cutter and stuffer..... | Schaw, Ingram, Batcher & Co., Sacramento | \$2 00 |
| Best pruning shears..... | Schaw, Ingram, Batcher & Co., Sacramento | 2 50 |
| Best pruning knives..... | Schaw, Ingram, Batcher & Co., Sacramento | 2 50 |
| Best fruit drier..... | James Linforth, San Francisco | 20 00 |
| Best fruit gatherer..... | D. B. Matlock, San José | Spl. gold medal. |
| CLASS VI—PLOWs. | | |
| Best sulky plow..... | Stanton, Thomson & Co., Sac'to. | \$10 00 |
| Best dynamometer..... | Stanton, Thomson & Co., Sac'to. | 5 00 |
| Best one-horse plow..... | Baker & Hamilton, Sacramento. | 5 00 |
| Best gang plow..... | Benicia Agricultural Wks., Benicia | 25 00 |
| Best stubble plow..... | Benicia Agricultural Wks., Benicia | 5 00 |
| Best sod plow..... | Benicia Agricultural Wks., Benicia | 5 00 |
| Best steel plow..... | Benicia Agricultural Wks., Benicia | 5 00 |
| Best subsoil plow..... | Benicia Agricultural Wks., Benicia | 5 00 |
| Best sidehill plow..... | Benicia Agricultural Wks., Benicia | 5 00 |
| Best vineyard plow..... | Benicia Agricultural Wks., Benicia | 5 00 |
| Best mole or blind ditching plow..... | Benicia Agricultural Wks., Benicia | 5 00 |
| Best open ditching plow..... | Benicia Agricultural Wks., Benicia | 5 00 |
| Best cast-iron plow..... | Schaw, Ingram, Batcher & Co., Sacramento | 5 00 |
| Best chilled plow..... | Schaw, Ingram, Batcher & Co., Sacramento | 5 00 |
| Best plow for all purposes..... | Schaw, Ingram, Batcher & Co., Sacramento | 5 00 |
| CLASS VII—VEHICLES. | | |
| Best farm wagon for general purposes..... | Baker & Hamilton, Sacramento. | 20 00 |
| Best closed family carriage..... | J. F. Hill, Sacramento. | Dip. & \$25 |
| Best single-seated trotting wagon..... | J. F. Hill, Sacramento. | \$10 00 |
| Best track sulky..... | J. F. Hill, Sacramento. | 5 00 |
| Best training cart..... | J. F. Hill, Sacramento. | 10 00 |
| Best wagon or carriage brake..... | J. F. Hill, Sacramento. | Diploma. |
| Best business wagon..... | A. Meister, Sacramento | \$10 00 |
| Best open family carriage..... | A. Meister, Sacramento | 25 00 |
| Best top buggy..... | A. Meister, Sacramento | Dip. & \$15 |
| Best open buggy..... | A. Meister, Sacramento | \$10 00 |
| Best two-seated open wagon..... | A. Meister, Sacramento | 15 00 |
| Best spring market wagon..... | A. Meister, Sacramento | 10 00 |
| Best pleasure cart..... | A. Meister, Sacramento | 10 00 |
| Best ladies' phaeton..... | A. Meister, Sacramento | 10 00 |
| Best breaking cart..... | M. Kestler, Sacramento | 10 00 |
| For pleasure cart..... | Albert Smith, Fresno | 10 00 |
| CLASS VIII—MISCELLANEOUS. | | |
| For Foreman's fruit-pitting machine..... | A. M. Smith, Oroville | Sil. med. |
| Best ice cream freezer, "Arctic"..... | T. M. Lash, Sacramento | Diploma. |
| Best fruit drier's truck..... | Hunt & Ball, Winters | Diploma. |
| Best apple parer, corer, and slicer..... | Weister & Co., San Francisco | Sil. med. |
| Best sack holder..... | J. W. Rush, Stockton | \$2 50 |
| Best pea-shelling machine..... | W. B. Ewer, San Francisco | Diploma. |
| Best hose reel..... | Risdon Iron Works, San Francisco | Diploma. |
| Best ore feeder for quartz mill..... | F. A. Huntington, San Francisco | Diploma. |
| Best device for regulating water in hydraulic nozzles..... | A. A. Charonnat, San Francisco | Diploma. |
| Best road plow..... | Western Wheel Scraper Co., Aurora, Illinois | \$2 50 |
| Best road grader and ditching machine..... | Western Wheel Scraper Co., Aurora, Illinois | 5 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---|----------|
| Best display of grading tools from one shop | Western Wheel Scraper Co., Aurora, Illinois | \$5 00 |
| Best heater | S. C. H. & A. Works, Stockton | Diploma. |
| For the Roberts safety water tube boiler | S. C. H. & A. Works, Stockton | Diploma. |
| Best spray nozzles | D. C. Cruming, Los Gatos | \$3 00 |
| For "Acme" brass reducer | Edwin Ferris, Alta | Diploma. |
| Best horse power, "Economy" | F. A. Huntington, San Francisco | Diploma. |
| Special exhibit representing trade, etc. | W. H. Murray, San Francisco | \$5 00 |
| Best hose coupling | Natl. Hose Coupling Co., Pomona | Diploma. |
| Best butter refrigerator | F. D. Thornbrough, Sacramento | Diploma. |
| Best boiler feed pumps | Risdon Iron Works, San Francisco | Diploma. |
| Best steam pumps for general use | Risdon Iron Works, San Francisco | Diploma. |
| Best grape packer | J. M. Davis, Sacramento | Diploma. |

THIRD DEPARTMENT.

TEXTILE FABRICS.

| Exhibit. | Exhibitor. | Award. |
|---|-------------------------------------|-----------|
| CLASS I—CLOTHING AND KINDRED TEXTURES. | | |
| Best display of silk hosiery, American manufacture | Carlson-Currier Co., San Francisco | Sil. med. |
| Best exhibit of carpets and rugs | John Breuner, Sacramento | \$20 00 |
| Best exhibit of window curtains, cornices, and trimmings | John Breuner, Sacramento | Sil. med. |
| Best display of bolting cloth | Gattmann & Wilson, Sacramento | Sil. med. |
| Best display of dry goods | Gattmann & Wilson, Sacramento | \$20 00 |
| Best display of fancy goods | Gattmann & Wilson, Sacramento | 20 00 |
| Best Turkish rug | John Breuner, Sacramento | 5 00 |
| Best display of cotton duck and toweling, California manufacture | California Cotton Mills, E. Oakland | 25 00 |
| Best display of towels and table cloths, California manufacture | California Cotton Mills, E. Oakland | 10 00 |
| Best ten pounds dressed flax | California Cotton Mills, E. Oakland | 5 00 |
| Best ten pounds dressed ramie | California Cotton Mills, E. Oakland | 5 00 |
| Best ten yards ramie cloth, California manufacture | California Cotton Mills, E. Oakland | 5 00 |
| Best linen sack twine, California manufacture | California Cotton Mills, E. Oakland | 5 00 |
| Best ten yards kersey | California Cotton Mills, E. Oakland | 5 00 |
| Best stocking yarn | California Cotton Mills, E. Oakland | 3 00 |
| Best carpet warp | California Cotton Mills, E. Oakland | 5 00 |
| Best exhibit of burlaps and material from which it is made | California Cotton Mills, E. Oakland | Sil. med. |
| Best ten yards cloth (of flax cotton), California manufacture | California Cotton Mills, E. Oakland | \$5 00 |
| Best Mackinac blanket | Golden Gate Woolen Co., San Fran. | 5 00 |
| Best fifteen yards woolen carpet | Ingram & Bird, Sacramento | Sil. med. |
| Best gentlemen's shirts | L. Elkus & Co., Sacramento | Sil. med. |
| Best display of woolen goods by one factory, California manufacture | L. Elkus & Co., Sacramento | \$50 00 |
| Best ten yards rag carpet | W. H. Murray, San Francisco | 5 00 |
| Best collection of furs, not less than six pieces | Jacob Nowak, Arcata | 10 00 |
| CLASS II—NEEDLE, SHELL, AND WAX WORK. | | |
| Best painted lambrequin | Miss Mary Bailey, East Oakland | 5 00 |
| Best painted panel | Miss Mary Bailey, East Oakland | 3 00 |
| Best embroidered dressing gown | Mrs. W. F. Bryant, San Francisco | 5 00 |
| Best embroidered table scarf, two ends | Mrs. W. F. Bryant, San Francisco | 3 00 |
| Best embroidered ottoman cover | Mrs. W. F. Bryant, San Francisco | 3 00 |

THIRD DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------------|--------|
| Best embroidered fire screen..... | Mrs. W. F. Bryant, San Francisco. | \$5 00 |
| Best embroidered sofa pillow and cushion..... | Mrs. W. F. Bryant, San Francisco. | 3 00 |
| Best embroidered piano scarf, two ends..... | Mrs. W. F. Bryant, San Francisco. | 3 00 |
| Best display of kensington embroidery with floss on satin..... | Mrs. W. F. Bryant, San Francisco. | 5 00 |
| Best display of kensington embroidery with crewel on wool goods..... | Mrs. W. F. Bryant, San Francisco. | 2 00 |
| Best embroidered bedspread..... | Mrs. W. F. Bryant, San Francisco. | 5 00 |
| Best applique work..... | Mrs. W. F. Bryant, San Francisco. | 2 00 |
| Best kensington..... | Mrs. W. F. Bryant, San Francisco. | 3 00 |
| Best arrasene embroidery..... | Mrs. R. E. Chappie, Sacramento. | 3 00 |
| Best embroidered table cover, four ends..... | Mrs. R. E. Chappie, Sacramento. | 5 00 |
| Best embroidered necktie case..... | Mrs. R. E. Chappie, Sacramento. | 2 00 |
| Best painted toilet set..... | Mrs. R. E. Chappie, Sacramento. | 10 00 |
| Best embroidered wall banner..... | Mrs. R. E. Chappie, Sacramento. | 3 00 |
| Best luster painting..... | Mrs. R. E. Chappie, Sacramento. | 5 00 |
| Best laid plush painting..... | Mrs. G. D. Stewart, Sacramento. | 5 00 |
| Best painting on ivoryine..... | Mrs. G. D. Stewart, Sacramento. | 5 00 |
| Best hearth rug, hand made..... | Mrs. G. D. Stewart, Sacramento. | 2 00 |
| Best knit mittens..... | Mrs. G. D. Stewart, Sacramento. | 2 00 |
| Best cone..... | Mrs. G. D. Stewart, Sacramento. | 2 00 |
| Best braid of straw or grass..... | Mrs. G. D. Stewart, Sacramento. | 2 00 |
| Best skeleton leaves..... | Miss Estella Stewart, Sacramento. | 3 00 |
| Best display of paper flowers..... | Mrs. H. C. Gardiner, Sacramento. | 5 00 |
| Best pair knit wool stockings..... | Mrs. S. J. Conrad, Sacramento. | 3 00 |
| Best painted table scarf, two ends..... | Clyde Loomis, Sacramento. | 2 00 |
| Best display of millinery..... | Misses Brothers, Sacramento. | 20 00 |
| Best velvet bonnet..... | Misses Brothers, Sacramento. | 5 00 |
| Best hat..... | Misses Brothers, Sacramento. | 5 00 |
| Best silk bonnet..... | Misses Brothers, Sacramento. | 5 00 |
| Best display of feathers from California- raised birds..... | Misses Brothers, Sacramento. | 10 00 |
| Best variety of artificial flowers..... | Misses Brothers, Sacramento. | 10 00 |
| Best knit bedspread..... | Mrs. P. F. Scott, Sacramento. | 5 00 |
| Best embroidered silk quilt..... | Mrs. H. Goepel, Sacramento. | 5 00 |
| Best darned net, three pieces..... | Mrs. Laura Clark, Sacramento. | 2 00 |
| Best modeling in putty..... | Mrs. Laura Clark, Sacramento. | 3 00 |
| Best shell..... | Mrs. Laura Clark, Sacramento. | 2 00 |
| Best plush ribbon work..... | Mrs. P. Alston, Sacramento. | 3 00 |
| Best silk plain work..... | Mrs. P. Alston, Sacramento. | 2 00 |
| Best embroidered handkerchief case..... | Mrs. P. Alston, Sacramento. | 3 00 |
| Best chenille embroidery..... | Mrs. P. Alston, Sacramento. | 5 00 |
| Best raised wool work..... | Mrs. P. Alston, Sacramento. | 2 00 |
| Best, largest, and handsomest display of articles..... | Mrs. Wm. East, Chico | 20 00 |
| Best crochet shawl..... | Mrs. Wm. East, Chico | 3 00 |
| Best display of children's clothing, Cali- fornia made..... | Mrs. Wm. East, Chico | 15 00 |
| Best silk embroidery on flannel..... | Mrs. Wm. East, Chico | 5 00 |
| Best Roman embroidery..... | Mrs. Wm. East, Chico | 3 00 |
| Best embroidered toilet set, three pieces..... | Mrs. Wm. East, Chico | 5 00 |
| Best honiton lace work..... | Mrs. Wm. East, Chico | 3 00 |
| Best crochet cape..... | Mrs. Wm. East, Chico | 2 00 |
| Best child's afghan..... | Mrs. Wm. East, Chico | 2 00 |
| Best carriage afghan..... | Mrs. Wm. East, Chico | 5 00 |
| Best hand sewing, not less than three pieces..... | Mrs. L. B. Rowell, Martinez | 5 00 |
| Best embroidered ladies' dress..... | Mrs. H. D. Nash, Sacramento. | 5 00 |
| Best wall panel..... | Mrs. H. D. Nash, Sacramento. | 5 00 |
| Best Turkish embroidery..... | Mrs. H. D. Nash, Sacramento. | 3 00 |
| Best tinsel embroidery..... | Mrs. H. D. Nash, Sacramento. | 1 00 |
| Best braiding by hand..... | Mrs. H. D. Nash, Sacramento. | 5 00 |
| Best bead work by hand..... | Mrs. H. D. Nash, Sacramento. | 3 00 |
| Best Spanish drawn work..... | Miss Minnie Cluness, Sacramento. | 5 00 |
| Best embroidery on cotton..... | Mrs. W. W. Willis, Sacramento. | 3 00 |
| Best needlework picture..... | Mrs. W. W. Willis, Sacramento. | 3 00 |
| Best display of moss..... | Mrs. Mary E. Cropper, Washington | 3 00 |
| Best linen embroidery..... | Miss Phebe C. Brown, Sacramento. | 5 00 |
| Best lace made by hand..... | Mrs. Belle Muddox, Sacramento. | 10 00 |
| Best crochet bedspread..... | Miss Nellie Gray, Sacramento. | 5 00 |

THIRD DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--------------------------------------|------------|
| Best variety of porcelain painting, not less than twelve pieces..... | Miss Lillie Blue, Sacramento..... | \$10 00 |
| Best surface plush painting..... | Miss Lillie Blue, Sacramento..... | 5 00 |
| Best decorative painting on wood..... | Miss Hattie Bell, Sacramento..... | 10 00 |
| Best embroidered handkerchief..... | Mrs. L. Hummel, Sacramento..... | 2 00 |
| Best outline embroidery..... | Mrs. M. A. Plummer, Sacramento..... | 1 00 |
| Best macrame lace work..... | Mrs. J. M. Davis, Sacramento..... | 5 00 |
| Best ornamental grasses..... | Mrs. J. P. Odert, Sacramento..... | 2 00 |
| Best lounge afghan..... | Mrs. G. D. Stewart, Sacramento..... | 3 00 |
| JUVENILE. | | |
| Best wax work..... | Sadie L. Winn, Sacramento..... | \$5 00 |
| For patchwork quilt..... | Grace Stone, Woodland..... | Nap. ring |
| Best silk quilt..... | Marguerite J. Champlin, Sac'to..... | \$5 00 |
| For patchwork quilt..... | Emma Langenow, Woodland..... | Nap. ring |
| For silk embroidery..... | Rose Levy, Sacramento..... | But. knife |
| For silk embroidery..... | Hattie Nathan, Sacramento..... | But. knife |
| CLASS IV—MISCELLANEOUS. | | |
| Best fancy tidies..... | Mrs. J. F. Bohn, Sacramento..... | \$4 00 |
| Best painted drape..... | Mrs. R. E. Chappie, Sacramento..... | 2 50 |
| Best embroidered mirror frames..... | Mrs. R. E. Chappie, Sacramento..... | 4 00 |
| Best picture frame..... | Mrs. R. E. Chappie, Sacramento..... | 4 00 |
| Best fancy crochet tidy..... | Mrs. G. D. Stewart, Sacramento..... | 1 50 |
| Best hulbein work..... | Mrs. G. D. Stewart, Sacramento..... | 2 00 |
| Best piece decorative painting..... | Mrs. G. D. Stewart, Sacramento..... | 2 50 |
| Best shadow painting..... | Mrs. R. E. Chappie, Sacramento..... | 2 00 |
| Best two embroidered table covers..... | Mrs. R. E. Chappie, Sacramento..... | 3 00 |
| Best ladies' crochet underwear..... | Mrs. Hattie C. Gardiner, Sac'to..... | 5 00 |
| Best painting on chamois..... | Clyde Loomis, Sacramento..... | 2 00 |
| Best painted handkerchief..... | Clyde Loomis, Sacramento..... | Diploma. |
| Best hairpin tidies..... | Mrs. Laura Clark, Sacramento..... | \$2 50 |
| Best fancy fans..... | Mrs. Laura Clark, Sacramento..... | 2 00 |
| Best fancy rope dusters..... | Mrs. Laura Clark, Sacramento..... | 1 00 |
| Best wheel and ribbon tidies..... | Mrs. Laura Clark, Sacramento..... | 2 00 |
| Best crochet lambrequin..... | Mrs. Laura Clark, Sacramento..... | 2 00 |
| Best fancy drape..... | Mrs. William East, Chico..... | 4 00 |
| Best India ink work on linen..... | Mrs. H. D. Nash, Sacramento..... | 2 50 |
| Best crochet work..... | Mrs. W. W. Willis, Sacramento..... | 1 50 |
| Best netting..... | Mrs. W. W. Willis, Sacramento..... | 1 00 |
| Best display of ferns..... | Mrs. M. E. Cropper, Washington..... | 1 00 |
| Best embroidery on bolting cloth..... | Miss P. C. Brown, Sacramento..... | 2 50 |
| Best hem and feather stitched underwear..... | Miss P. C. Brown, Sacramento..... | 2 50 |
| Best Spanish embroidered underwear..... | Miss P. C. Brown, Sacramento..... | 2 50 |
| Best display of dolls' millinery..... | Miss W. H. Jones, Sacramento..... | 4 00 |
| Best expert work done on typewriter..... | Robert N. Lynch, Sacramento..... | Diploma. |
| Best ladies' knit underwear..... | Mrs. P. Alston, Sacramento..... | \$3 50 |
| Best jute goods..... | W. H. Murray, San Francisco..... | Diploma. |
| Best autumn leaves..... | Mrs. J. P. Odert, Sacramento..... | \$1 00 |
| Best bullion embroidery..... | Miss Lydia Schubert, Sacramento..... | 2 50 |
| Best mohair plushes..... | Sanford Mills, San Francisco..... | Diploma. |
| Best fancy crochet lamp shades..... | Mrs. Laura Clark, Sacramento..... | \$2 00 |
| Best set crochet table mats..... | Mrs. Laura Clark, Sacramento..... | 1 00 |

FOURTH DEPARTMENT.

MECHANICAL PRODUCTS.

| Exhibit. | Exhibitor. | Award. |
|--|--|--------------|
| CLASS I—MANUFACTURES OF LEATHER, PAPER, AND RUBBER. | | |
| Best display of paper manufactured in California, not less than two tons | A. S. Hopkins & Bro., Sacramento. | \$20 00 |
| Best pair heavy boots | G. W. Shreve & Co., San Francisco. | 5 00 |
| Best set double harness | A. A. Van Voorhies & Co., Sac'to | S. M. & \$10 |
| Best set single harness | A. A. Van Voorhies & Co., Sac'to | \$10 00 |
| Best display of Mexican saddles | A. A. Van Voorhies & Co., Sac'to | 5 00 |
| Best display of leather | A. A. Van Voorhies & Co., Sac'to | Sil. med. |
| Best display of saddles and bridles | A. A. Van Voorhies & Co., Sac'to | Sil. med. |
| Best display of saddletrees | A. A. Van Voorhies & Co., Sac'to | Diploma. |
| Best display of shoe lasts, pegs, and last- ing merchandise | A. A. Van Voorhies & Co., Sac'to. | \$5 00 |
| Best display of Angora goat robes | C. P. Bailey, San José | 10 00 |
| Best display of leather belting | L. P. Degan, San Francisco | Sil. med. |
| Best display of rubber hose and belting | Schaw, Ingram, Batchers & Co., Sacramento | Sil. med. |
| Best display of cordage | Schaw, Ingram, Batchers & Co., Sacramento | Sil. med. |
| Best pair dress boots | A. A. Van Voorhies & Co., Sac'to | \$5 00 |
| Best gentlemen's dress shoes | A. A. Van Voorhies & Co., Sac'to | 5 00 |
| Best Congress gaiters | A. A. Van Voorhies & Co., Sac'to | 5 00 |
| Best ladies' slippers | A. A. Van Voorhies & Co., Sac'to | 3 00 |
| Best ladies' gaiters | A. A. Van Voorhies & Co., Sac'to | 3 00 |
| Best pair booties | A. A. Van Voorhies & Co., Sac'to | 3 00 |
| CLASS II—WORKED METALS. | | |
| Best display of lamps | Jos. Thieben Crockery Co., Sac'to | Diploma. |
| Best plated ware | Jos. Thieben Crockery Co., Sac'to | \$10 00 |
| Best display of pocket cutlery | M. Manasse, Sacramento | 5 00 |
| Best milk cans | G. G. Wickson & Co., San Francisco. | Diploma. |
| Best display of saddlers' hardware | A. A. Van Voorhies & Co., Sac'to | \$10 00 |
| Best display of copper work | Holbrook, Merrill & Stetson, Sac'to | 10 00 |
| Best display of brass work | Holbrook, Merrill & Stetson, Sac'to | 10 00 |
| Best display of tinware | Holbrook, Merrill & Stetson, Sac'to | Sil. med. |
| Best exhibit of lead pipe | Holbrook, Merrill & Stetson, Sac'to | Diploma. |
| Best display of kitchen utensils of tin | Holbrook, Merrill & Stetson, Sac'to | \$5 00 |
| Best display of wire goods | Holbrook, Merrill & Stetson, Sac'to | Dip. & \$5 |
| Best display of plumbers' goods and wares | Crouch & Lyman, Sacramento | Sil. med. |
| Best display of gas chandeliers and burners | Crouch & Lyman, Sacramento | \$10 00 |
| Best display of modern building hardware | Schaw, Ingram, Batchers & Co., Sacramento | 20 00 |
| Best display of blacksmithing tools | Schaw, Ingram, Batchers & Co., Sacramento | Dip. & \$10 |
| Best display of general hardware | Schaw, Ingram, Batchers & Co., Sacramento | \$20 00 |
| Best display of iron and steel, California manufacture | Schaw, Ingram, Batchers & Co., Sacramento | Sil. med. |
| Best display of axles, California manu- facture | Schaw, Ingram, Batchers & Co., Sacramento | Sil. med. |
| Best display of barbed wire fencing | Schaw, Ingram, Batchers & Co., Sacramento | S. M. & \$5 |
| Best display of mechanics' tools | Schaw, Ingram, Batchers & Co., Sacramento | \$20 00 |
| Best display of horseshoes, machine made | Schaw, Ingram, Batchers & Co., Sacramento | Sil. med. |
| Best display of table cutlery | Schaw, Ingram, Batchers & Co., Sacramento | Sil. med. |
| Best circular saws | Schaw, Ingram, Batchers & Co., Sacramento | \$5 00 |
| Best mill saws | Schaw, Ingram, Batchers & Co., Sacramento | 5 00 |
| Best display of files | Schaw, Ingram, Batchers & Co., Sacramento | 5 00 |
| Best exhibit of anti-friction metal | Schaw, Ingram, Batchers & Co., Sacramento | Diploma. |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---|--------------------------|
| Best exhibit of shot | Schaw, Ingram, Batcher & Co., Sacramento | Diploma. |
| Best display of butchers' supplies and goods | Schaw, Ingram, Batcher & Co., Sacramento | |
| Best horseshoes, hand made | J. P. Brown, Santa Clara | Dip. & \$10 Sil. med. |
| CLASS III—STOVES, CASTINGS, ETC. | | |
| Best parlor stove | M. Manasse, Sacramento | \$5 00 |
| Best chime of bells | A. A. Van Voorhies & Co., Sac'to | 5 00 |
| Best cooking stove, for wood | Holbrook, Merrill & Stetson, Sac'to | 5 00 |
| Best cooking stove, for coal | Holbrook, Merrill & Stetson, Sac'to | 5 00 |
| Best gas stove | Holbrook, Merrill & Stetson, Sac'to | 5 00 |
| Best oil stove | Holbrook, Merrill & Stetson, Sac'to | 5 00 |
| Best warming furnace | Holbrook, Merrill & Stetson, Sac'to | 5 00 |
| Best cooking range | Holbrook, Merrill & Stetson, Sac'to | 10 00 |
| Best specimen of marbled iron | Holbrook, Merrill & Stetson, Sac'to | 3 00 |
| Best portable range | Holbrook, Merrill & Stetson, Sac'to | 5 00 |
| Best display of hollow ironware | Holbrook, Merrill & Stetson, Sac'to | 5 00 |
| Best ornamental fruit and flower stand | Holbrook, Merrill & Stetson, Sac'to | 5 00 |
| Best farmers' caldrons, or steamers | Holbrook, Merrill & Stetson, Sac'to | 5 00 |
| Best laundry stove | Holbrook, Merrill & Stetson, Sac'to | 5 00 |
| Best water and steam gates | Holbrook, Merrill & Stetson, Sac'to | Diploma. |
| Best assortment of bathing tubs | Holbrook, Merrill & Stetson, Sac'to | Diploma. |
| Best parlor grate | Crouch & Lyman, Sacramento | \$3 00 |
| Best farm bell | Schaw, Ingram, Batcher & Co., Sacramento | 5 00 |
| Best church bell | Weed & Kingwell, San Francisco | Diploma. |
| Best assortment of Japaneseware | Jos. Thieben Crockery Co., Sac'to | \$10 00 |
| Best ornamental statuary | Jos. Thieben Crockery Co., Sac'to | 5 00 |
| CLASS IV—MUSICAL INSTRUMENTS. | | |
| Best general display of musical instru- ments | M. L. Hammer, Sacramento | S.M. & \$20 |
| Best display of stringed instruments | M. L. Hammer, Sacramento | Sil. med. |
| CLASS V—FURNITURE. | | |
| Best display of furniture | John Breuner, Sacramento | Dip. & \$20 |
| Best set parlor furniture | John Breuner, Sacramento | \$20 00 |
| Best set library furniture | John Breuner, Sacramento | 10 00 |
| Best set office furniture | John Breuner, Sacramento | 10 00 |
| Best lounge | John Breuner, Sacramento | 5 00 |
| Best set parlor chairs | John Breuner, Sacramento | 10 00 |
| Best dressing bureau | John Breuner, Sacramento | 10 00 |
| Best wool mattress | John Breuner, Sacramento | 5 00 |
| Best wardrobe | John Breuner, Sacramento | 10 00 |
| Best sick chair, or couch | John Breuner, Sacramento | 5 00 |
| Best spring mattress | John Breuner, Sacramento | 5 00 |
| Best set bed-room furniture | Ingram & Bird, Sacramento | 10 00 |
| Best set dining-room furniture | Ingram & Bird, Sacramento | 10 00 |
| Best folding bed | Ingram & Bird, Sacramento | Dip. & \$10 |
| Best sofa | Ingram & Bird, Sacramento | \$10 00 |
| Best extension table | Ingram & Bird, Sacramento | 5 00 |
| Best center table | Ingram & Bird, Sacramento | 5 00 |
| Best pair side tables | Ingram & Bird, Sacramento | 5 00 |
| Best display of upholstery | Ingram & Bird, Sacramento | 10 00 |
| Best hair mattress | Ingram & Bird, Sacramento | 5 00 |
| Best set school furniture | Capital Furniture Co., Sacramento | 10 00 |
| Best wooden mantel | Crouch & Lyman, Sacramento | 10 00 |
| Best display of willow furniture | Dittmar & Wheat, Sacramento | 10 00 |
| Best display of California woods | W. C. Curl, Sacramento | 5 00 |
| CLASS VI—WOODENWARE. | | |
| Best display of willowware | Sun Wing & Co., Sacramento | 10 00 |
| Best display of cedarware | A. S. Hopkins & Bro., Sacramento | 5 00 |
| Best display of pineware | A. S. Hopkins & Bro., Sacramento | 5 00 |
| Best display of oakware | A. S. Hopkins & Bro., Sacramento | 5 00 |
| Best display of splitwood baskets | A. S. Hopkins & Bro., Sacramento | 3 00 |
| Best display of osier | A. S. Hopkins & Bro., Sacramento | 5 00 |
| Best display of woodenware | A. S. Hopkins & Bro., Sacramento | 25 00 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|--|-------------|
| Best exhibit of broomcorn, brooms, and brushes | A. S. Hopkins & Bro., Sacramento | \$10 00 |
| Best assortment of coopers' ware | A. S. Hopkins & Bro., Sacramento | 10 00 |
| Best display of window blinds | Edward B. Hinde, San Francisco | 5 00 |
| Best display of fancy moldings | Theo. W. Schwamb, Sacramento | 5 00 |
| Best sample of twist molding | W. C. Curl, Sacramento | 5 00 |
| Best wood carpeting | W. C. Curl, Sacramento | 5 00 |
| Best display of window shades | W. H. Murray, San Francisco | 5 00 |
| Best display of turning lathe work | W. C. Curl, Sacramento | Sil. med. |
| CLASS VII—INSTRUMENTS OF FINE WORKMANSHIP. | | |
| Best electrical generator and dynamo | C. A. Fisk, Sacramento | \$10 00 |
| Best incandescent lamp | C. A. Fisk, Sacramento | 10 00 |
| Best electric gas lighting | C. A. Fisk, Sacramento | 5 00 |
| Best fire alarm telegraph | C. A. Fisk, Sacramento | 10 00 |
| Best automatic fire alarm | C. A. Fisk, Sacramento | 5 00 |
| Best annunciator | C. A. Fisk, Sacramento | 5 00 |
| Best burglar alarm | C. A. Fisk, Sacramento | 5 00 |
| Best electro-magnetic apparatus | C. A. Fisk, Sacramento | Diploma. |
| Best electro telegraph | C. A. Fisk, Sacramento | Diploma. |
| Best electric machine | C. A. Fisk, Sacramento | Diploma. |
| Best galvanic battery and apparatus | C. A. Fisk, Sacramento | Diploma. |
| For electrical generator and dynamo | I. G. Shaw, Sacramento | Sp. men. |
| Best bicycle, "Victor" | W. C. Hevener, Sacramento | Sil. med. |
| Best display of firearms | G. W. Shreve & Co., San Francisco | Sil. med. |
| Best game bag | G. W. Shreve & Co., San Francisco | \$3 00 |
| Best breech-loading shotgun | G. W. Shreve & Co., San Francisco | 5 00 |
| Best double-barrel shotgun | G. W. Shreve & Co., San Francisco | 5 00 |
| Best electrical generator and motor | Electrical Eng. Co., San Francisco | Sp. Gold |
| Best sporting rifle | Schaw, Ingram, Batchelor & Co., Sacramento | M. & \$10 |
| | | \$5 00 |
| Best display of dentistry work | Dr. G. W. Leek, San Francisco | Sil. med. |
| Best electro-galvanic belts and appliances | Dr. L. O. Hudson & Sons, Stockton | Diploma. |
| CLASS VIII—CHEMICALS. | | |
| Best display of writing fluid | Lievre, Fricke & Co., San Francisco | \$2 00 |
| Best yeast powder | Lievre, Fricke & Co., San Francisco | Diploma. |
| Best display of saleratus and soda | Lievre, Fricke & Co., San Francisco | \$5 00 |
| Best display of blacking | A. S. Hopkins & Bro., Sacramento | 2 00 |
| Best stove polish | A. S. Hopkins & Bro., Sacramento | Diploma. |
| Best prepared paints | Paraffine Paint Co., San Francisco | Sil. med. |
| Best sample of paint, California manufacture | Paraffine Paint Co., San Francisco | Diploma. |
| Best starch, California manufacture | J. Everding, San Francisco | Sil. med. |
| Best disinfectant and antiseptic | Catton, Bell & Co., San Francisco | Sil. med. |
| Best axle grease | Schaw, Ingram, Batchelor & Co., Sacramento | Diploma. |
| Best Copal varnish | W. H. Murray, San Francisco | \$5 00 |
| Best Prussian blue | W. H. Murray, San Francisco | 5 00 |
| Best prussiate of potash | W. H. Murray, San Francisco | 5 00 |
| Best white lead | W. H. Murray, San Francisco | 5 00 |
| Best display of soap | W. H. Murray, San Francisco | 15 00 |
| Best display of candles | W. H. Murray, San Francisco | 10 00 |
| CLASS IX—STONEWARE, BRICKS, TILES, CROCKERY, GLASS, ETC. | | |
| For display of ornamental, cut, embossed, and bent glass | Jos. Thieben Crockery Co., Sac'to | Sp. men. |
| Best display of table and bar glassware | Jos. Thieben Crockery Co., Sac'to | Dip. & \$10 |
| Best display of queensware | Jos. Thieben Crockery Co., Sac'to | \$5 00 |
| Best fire bricks | A. Aitken, Sacramento | 3 00 |
| Best sample of drain tile | Geo. Muddox, Sacramento | 5 00 |
| Best sewer pipe | Geo. Muddox, Sacramento | 5 00 |
| Best display of stoneware | Geo. Muddox, Sacramento | 10 00 |
| Best display of art stained glass for architectural work | Hopper & Schroeder, San Fran. | S.M. & \$25 |
| Best display of ornamental, cut, embossed, and bent glass | Hopper & Schroeder, San Fran. | Dip. & \$10 |
| Best specimen of ground glass | Hopper & Schroeder, San Fran. | Diploma. |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---|-------------|
| Best plaster | Lucas & Co., San Francisco | Diploma. |
| Best exhibit of slate | W. B. Ewer, San Francisco | Dip. & \$10 |
| Best roofing tile | Gladding, McBean & Co., Lincoln | \$5 00 |
| Best display of terra cotta | Gladding, McBean & Co., Lincoln | 10 00 |
| Best pottery, various kinds | Gladding, McBean & Co., Lincoln | Sil. med. |
| Best mirror glass | Crouch & Lyman, Sacramento | Diploma. |
| Best flooring | Crouch & Lyman, Sacramento | \$5 00 |
| Best barrel of lime | L. Dingley, San Francisco | Diploma. |
| CLASS X—MINERALS, FOSSILS, BIRDS, FISHES, ETC. | | |
| Best cabinet of agates, crystallized fossils, and crystallized quartz | Alex. Keller, Auburn | \$25 00 |
| Best suite of useful minerals of California for all purposes | Alex. Keller, Auburn | 20 00 |
| CLASS XI—MARBLE AND GRANITE WORK. | | |
| Best collection of polished marble work, six pieces | A. Aitken, Sacramento | 30 00 |
| Best dressed stone | A. Aitken, Sacramento | 5 00 |
| Best display of marble mantels | A. Aitken, Sacramento | Sil. med. |
| Best display of marbleized slate mantels | A. Aitken, Sacramento | Sil. med. |
| CLASS XII—INCUBATORS. | | |
| Best package for shipping eggs | W. H. Murray, San Francisco | \$5 00 |
| CLASS XIII—MISCELLANEOUS. | | |
| Best table sauce, "Red Seal" | Lievre, Fricke & Co., San Francisco | Diploma. |
| Best eyelet buttonhole attachment | A. J. Tillotson, Benicia | Sil. med. |
| For Dr. Webb's kidney and liver bitters | T. M. Lash & Co., Sacramento | Sil. med. |
| Best lubricating oil and oil cups | Charles H. Besly & Co., Chicago | Sil. med. |
| For Mansfield's Capillaris | Mrs. H. Works & Co., San José | \$2 50 |
| For Merrick's patent faucet | G. H. Merrick, San Francisco | 2 50 |
| For Mrs. Parkman's liver and kidney tea | Mrs. C. E. Parkman, Sacramento | Diploma. |
| Best display of sheet-iron work | W. H. Luelling, Sacramento | \$2 50 |
| Best display of asbestos | L. L. Merrill, San Francisco | 5 00 |
| Best device for ruling blackboards | T. L. Herbert, Penryn | 2 50 |
| Best collection of inventions | D. B. Matlock, San José | 5 00 |
| Best economy feed box | J. B. Carrington, Oakland | 2 50 |
| Best composer of sheet music | Eva Joseph, Colusa | Diploma. |
| Best display of home-made soap | Mrs. Chas. N. Crowell, Marysville | \$2 50 |
| Best display of patent water-closets | W. J. Rustermyer, San Francisco | Sil. med. |
| Best lace leather | L. P. Degen, San Francisco | Diploma. |
| For Little's sheep dip | Catton, Bell & Co., San Francisco | Diploma. |
| Best electric ventilating fans | Electrical Eng. Co., San Francisco | Diploma. |
| Best water filter | C. A. Fisk, Sacramento | \$5 00 |
| For Sampson cash register | C. A. Fisk, Sacramento | Sp. men. |
| For Merrick's valve, plug, and bung for beer kegs | G. H. Merrick & Co., San Fran. | \$2 50 |
| For Smith's premier typewriter | Leo E. Alexander & Co., S. F. | Diploma. |
| For Nelson's amycese | Victor E. Nelson, San Francisco | Diploma. |
| Best cotton belting, "The Gandy" | Frank A. Huntington, San Fran. | Sil. med. |
| Best ladies' shoedressing, "Red Seal" | Lievre, Fricke & Co., San Francisco | Diploma. |
| Best display of hand-made bits and spurs | A. A. Van Voorhies & Co., Sac'to. | \$5 00 |
| Best hammock-chair, "Favorite" | Dexter & Stone, San Francisco | Sil. med. |
| Best metallic trunk strap, "Sparks" | P. Church, San Francisco | Sil. med. |
| For Welch's veterinary inhaler | H. Welch, San Francisco | Diploma. |

FIFTH DEPARTMENT.

AGRICULTURAL PRODUCTS.

| Exhibit. | Exhibitor. | Award. |
|---|-------------------------------------|------------|
| CLASS I—FARM PRODUCTS. | | |
| For the most extensive, perfect, and varied exhibit of farm products grown by one person..... | Mrs. F. Purrington, Santa Rosa.... | \$350 00 |
| Second best..... | E. B. Beecher, Auburn..... | 150 00 |
| CLASS II—SILK, COTTON, AND TOBACCO. | | |
| Best general display of silk made in Cal.... | Carlson-Currier Co., San Francisco | 25 00 |
| Best display of thrown and twisted silk in the gum and boiled off, made in California | Carlson-Currier Co., San Francisco | 10 00 |
| Best display of machine spool silk..... | Carlson-Currier Co., San Francisco | 10 00 |
| Best display of knitting silk..... | Carlson-Currier Co., San Francisco | 5 00 |
| Best display of spool embroidery..... | Carlson-Currier Co., San Francisco | 5 00 |
| Best display of skein embroidery..... | Carlson-Currier Co., San Francisco | 5 00 |
| Best bale of California cotton, not less than 400 pounds..... | California Cotton Mills, E. Oakland | 20 00 |
| Best display of California tobacco in leaf.. | Lane & Connolly, San Francisco.. | 5 00 |
| CLASS III—FLOUR AND GRAIN. | | |
| Best sack Australian wheat..... | John Reith, Union House..... | 10 00 |
| Best bale hops..... | Joseph McGregor, Perkins..... | Sil. med. |
| Best sack white Chile wheat..... | C. A. Hull, Union House..... | \$10 00 |
| Best sack barley..... | C. A. Hull, Union House..... | 5 00 |
| Best sack Chevalier barley..... | C. A. Hull, Union House..... | 5 00 |
| Best sack Proper wheat..... | C. A. Hull, Union House..... | 10 00 |
| Best sack Sonora wheat..... | C. A. Hull, Union House..... | 10 00 |
| For Seneca Chief wheat..... | N. W. Hammond, Tulare..... | Sp. men. |
| Best and greatest variety of wheat, in ear or head..... | N. W. Hammond, Tulare..... | \$10 00 |
| Best white family flour..... | Colusa Flouring Mill Co., Colusa.. | 10 00 |
| Best bakers' flour..... | Colusa Flouring Mill Co., Colusa.. | Dip. & \$7 |
| Best forty sheaves of grain, ten varieties in all..... | Robert Cosner, Colusa..... | \$40 00 |
| Best sack Snowflake wheat..... | Richard Beamer, Woodland..... | Sp. men. |
| Best sack white Club wheat..... | Wm. Gibson, Woodland..... | \$10 00 |
| CLASS IV—VEGETABLES, ROOTS, ETC. | | |
| Best sack Irish potatoes..... | Mrs. F. Purrington, Santa Rosa.... | 5 00 |
| Best display of licorice root..... | Isaac Lea, Florin..... | 5 00 |
| Best sack red potatoes..... | Felix Gabrielli, Sacramento..... | 5 00 |
| Best sack white potatoes..... | Felix Gabrielli, Sacramento..... | 5 00 |
| Best sack of any other variety..... | Felix Gabrielli, Sacramento..... | 5 00 |
| Best and greatest variety of Irish potatoes, sack of each kind..... | Felix Gabrielli, Sacramento..... | 5 00 |
| Best twelve parsnips..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best twelve carrots..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best six long blood beets..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best six turnip beets..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best peck tomatoes..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best six drumhead cabbages..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best six heads red Dutch cabbage..... | Felix Gabrielli, Sacramento..... | 5 00 |
| Best six heads any other variety..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best six heads cauliflower..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best three heads broccoli..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best six heads lettuce..... | Felix Gabrielli, Sacramento..... | 2 00 |
| Best half peck red onions..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best half peck white onions..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best half peck peppers for pickling..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best twelve roots salsify..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best six stalks celery..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best three cantaloupes..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best half peck lima beans..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best half peck white beans..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best half peck kidney bush beans in pods..... | Felix Gabrielli, Sacramento..... | 3 00 |
| Best half peck pole beans other than lima..... | Felix Gabrielli, Sacramento..... | 2 00 |
| Best half peck dried field peas..... | Felix Gabrielli, Sacramento..... | 3 00 |

FIFTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---|-------------|
| Best half peck dried garden peas | Felix Gabrielli, Sacramento | \$3 00 |
| Best half peck castor oil beans | Felix Gabrielli, Sacramento | 3 00 |
| Best and greatest variety of dried peas | Felix Gabrielli, Sacramento | 3 00 |
| Best half peck gherkin cucumbers | Felix Gabrielli, Sacramento | 3 00 |
| Best three purple egg plants | Felix Gabrielli, Sacramento | 3 00 |
| Best two table collections of vegetables exhibited by producer | Felix Gabrielli, Sacramento | 40 00 |
| Best hubbard squash | J. H. Hamilton, Sacramento | 3 00 |
| Best six cucumbers | J. H. Hamilton, Sacramento | 2 00 |
| Best three mountain sweet watermelons | Mrs. Purrington, Santa Rosa | 2 00 |
| Best six marrow squashes | J. P. Odert, Sacramento | 3 00 |
| Best sweet corn | Mrs. A. M. Plummer, Sacramento | 3 00 |
| Best and largest pumpkin | Mrs. A. M. Plummer, Sacramento | 3 00 |
| Best six crookneck squashes | Jones & Turman, Colusa | 3 00 |
| Best three watermelons | Jones & Turman, Colusa | 3 00 |
| Best three muskmelons | Jones & Turman, Colusa | 3 00 |
| Best six sugar beets | Jones & Turman, Colusa | 3 00 |
| Best sack sweet potatoes | Jones & Turman, Colusa | 5 00 |
| CLASS V—FLOWERS. | | |
| Best and largest collection of flowering plants in bloom | Bell Conservatory Co., Sacramento | 20 00 |
| Best collection of ornamental foliage plants | Bell Conservatory Co., Sacramento | 20 00 |
| Best display of cut flowers, to be kept fresh during the exhibition by replacing | Bell Conservatory Co., Sacramento | 20 00 |
| Best collection of new and rare plants | Bell Conservatory Co., Sacramento | 15 00 |
| Best display of coleus, distinct varieties | Bell Conservatory Co., Sacramento | 15 00 |
| Best and most varied exhibit of named varieties of dahlias | Bell Conservatory Co., Sacramento | 10 00 |
| Best collection of roses in bloom | Bell Conservatory Co., Sacramento | 10 00 |
| Best collection of fuchsias in bloom | Bell Conservatory Co., Sacramento | 10 00 |
| Best collection of tuberose | Bell Conservatory Co., Sacramento | 10 00 |
| Best collection of pinks | Bell Conservatory Co., Sacramento | 10 00 |
| Best collection of ferns | Bell Conservatory Co., Sacramento | 15 00 |
| Best display of bouquets | Bell Conservatory Co., Sacramento | 10 00 |
| Best collection of plants suitable for green- house, conservatory, and window culture | Bell Conservatory Co., Sacramento | 15 00 |
| Best display of hanging baskets contain- ing plants | Bell Conservatory Co., Sacramento | 10 00 |
| Best display of floral designs, not less than five pieces (special) | Bell Conservatory Co., Sacramento | 50 00 |
| CLASS VI—CHEESE. | | |
| Best cheese over one year old | Mrs. F. Purrington, Santa Rosa | 15 00 |
| Best cheese under one year | A. J. Rider, Galt | 10 00 |
| Best and largest display of cheese | A. J. Rider, Galt | Dip. & \$15 |
| CLASS VII—BUTTER, BREAD, ETC. | | |
| Best display of butter in rolls, not less than forty pounds | C. A. Hull, Union House | \$20 00 |
| Best tub of firkin, not less than forty pounds, at least three months old | C. A. Hull, Union House | 15 00 |
| Best four loaves of baker's bread, not less than forty-eight hours old | C. A. Hull, Union House | 3 00 |
| Best pilot bread | American Biscuit Co., San Fran. | Diploma. |
| Best biscuit | C. A. Hull, Union House | \$2 00 |
| Best soda biscuit | Mrs. H. Works, San José | 2 00 |
| Best crackers, butter | American Biscuit Co., San Fran. | 2 00 |
| Best crackers, sweet | American Biscuit Co., San Fran. | 2 00 |
| Best crackers, Boston | American Biscuit Co., San Fran. | 2 00 |
| Best domestic corn bread | Mrs. S. J. Conrad, Sacramento | 5 00 |
| Best domestic rye bread | Mrs. S. J. Conrad, Sacramento | 5 00 |
| Best graham bread | C. A. Hull, Union House | 5 00 |
| Best domestic wheat bread | Pearl Jackson, Sacramento | 5 00 |
| Best display of domestic bread | C. A. Hull, Union House | 10 00 |

FIFTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|-------------|
| CLASS VIII—SUGAR, SYRUP, EXTRACTS, CONFECTIONS, AND CANDY. | | |
| Best one hundred pounds sugar from sugar beets | Alameda Beet Sugar Co., Alameda | \$20 00 |
| Best one hundred pounds sugar from cane. | W. H. Murray, San Francisco | 20 00 |
| Best five gallons syrup from cane | W. H. Murray, San Francisco | 10 00 |
| Best display of confectionery | J. A. Moynihan, Sacramento | 10 00 |
| Best general varieties of candies made in the hall during the exhibition | J. A. Moynihan, Sacramento | Dip. & \$10 |
| Best exhibit of flavoring extracts and essences | Lievre, Fricke & Co., San Fran. | Sil. med. |
| CLASS IX—MISCELLANEOUS. | | |
| Best display of spices | Lievre, Fricke & Co., San Fran. | Diploma. |
| Best animal food | Manhattan Food Co., San Fran. | Sil. med. |
| Best display of maple sugar | S. Stockwell, San Francisco | \$5 00 |
| Best tomato catsup and soups | T. A. Snider Preserving Co., S. F. | Diploma. |
| Best bale oat hay | W. McIntosh, Roseville | \$5 00 |
| Best bale wheat hay | W. McIntosh, Roseville | 5 00 |
| Best Scotch millet | J. H. Hamilton, Sacramento | 2 50 |
| For egg gourds | J. H. Hamilton, Sacramento | Sp. men. |
| Best cut plug tobacco, "Grizzly" | P. Lorillard & Co., San Francisco | Sil. med. |
| Best bacon | Merry, Faul & Co., San Fran. | Sil. med. |
| Best corn meal | Colusa Flouring Mill Co., Colusa | \$5 00 |
| Best graham flour | Colusa Flouring Mill Co., Colusa | 5 00 |
| Best glutens | Colusa Flouring Mill Co., Colusa | Diploma. |
| Best marble cake | Mrs. C. A. Hull, Union House | \$2 50 |
| Best tropical cucumbers | James Rutter, Florin | 2 50 |
| Best manufactured cigars | M. Clark, Sacramento | Sil. med. |
| Best lard | Mohr & Yoerk, Sacramento | \$5 00 |
| Best ham, "Eureka" brand | Mohr & Yoerk, Sacramento | Diploma. |
| Best sausages | Mohr & Yoerk, Sacramento | \$5 00 |
| Best samples of seventy-two varieties of grain | D. A. Jackson, Woodland | 5 00 |

SIXTH DEPARTMENT.

FRUITS.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------|---------|
| CLASS I—GREEN FRUITS. | | |
| Best display and best variety of apples | Mrs. Purrington, Santa Rosa | \$25 00 |
| Second best | D. A. Jackson, Woodland | 20 00 |
| Third best | L. G. Stone, Woodland | 15 00 |
| Fourth best | R. Williamson, Sacramento | 10 00 |
| Best display and best variety of pears | E. A. Dopkins, Woodland | 25 00 |
| Second best | J. P. Odert, Sacramento | 20 00 |
| Third best | D. A. Jackson, Woodland | 15 00 |
| Fourth best | R. Williamson, Sacramento | 10 00 |
| Fifth best | E. E. Wetty, Sacramento | 5 00 |
| Best display and best variety of peaches | J. L. Gomez, Auburn | 25 00 |
| Second best | R. Williamson, Sacramento | 20 00 |
| Third best | Mrs. E. Shields, Routiers | 15 00 |
| Fourth best | J. L. Stubbs, Sacramento | 10 00 |
| Fifth best | D. A. Jackson, Woodland | 5 00 |
| Best display and best variety of plums | Mrs. E. Shields, Routiers | 25 00 |
| Second best | E. A. Dopkins, Woodland | 20 00 |
| Third best | Mrs. Purrington, Santa Rosa | 15 00 |
| Fourth best | J. L. Stubbs, Sacramento | 10 00 |
| Fifth best | R. Williamson, Sacramento | 5 00 |
| Best display of green figs | R. Williamson, Sacramento | 5 00 |

SIXTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---|--------|
| Second best..... | J. H. Hamilton, Sacramento..... | \$2 50 |
| Best display of tropical fruits..... | Mrs. A. F. Jones, Sacramento..... | 20 00 |
| Second best..... | Mrs. Rich, Sacramento..... | 10 00 |
| Best display and best variety of lemons..... | Mrs. Rich, Sacramento..... | 10 00 |
| Best display and best variety of oranges..... | Mrs. A. F. Jones, Sacramento..... | 10 00 |
| Best display of fruit by the producer..... | Robt. Williamson, Sacramento..... | 40 00 |
| Second best..... | L. G. Stone, Woodland..... | 20 00 |
| Best general display of fruit, embracing best and greatest variety, by dealer..... | W. R. Strong Co., Sacramento..... | 30 00 |
| CLASS II—HONEY, PRESERVES, PICKLES, ETC. | | |
| Best ten pounds California honey..... | Robt. Cosner, Colusa..... | 5 00 |
| Best display of fruit, in glass, by other than factories..... | J. P. Odbert, Sacramento..... | 15 00 |
| Best six jars blackberry jam, in glass..... | Belle Muddox, Sacramento..... | 3 00 |
| Best six jars raspberry jam, in glass..... | Belle Muddox, Sacramento..... | 3 00 |
| Best display of jams and jellies, in glass..... | Belle Muddox, Sacramento..... | 10 00 |
| Second best..... | Mrs. L. G. Stone, Woodland..... | 5 00 |
| Best display of canned and preserved jams, jellies, etc., by factory..... | Sacramento Packing and Drying Co., Sacramento..... | 20 00 |
| Second best..... | Capital Packing Co., Sacramento..... | 10 00 |
| Best display of pickles..... | Mrs. J. P. Odbert, Sacramento..... | 3 00 |
| Best six jars quince jelly, in glass..... | T. L. Herbert, Penryn..... | 3 00 |
| CLASS III—DRIED AND PRESERVED FRUITS, NUTS, ETC. | | |
| Best ten pounds dried apples, by producer..... | S. N. Stranahan, Nevada City..... | 5 00 |
| Best ten pounds dried pears, by producer..... | L. G. Stone, Woodland..... | 5 00 |
| Best ten pounds dried peaches, by producer..... | Mrs. E. Shields, Routiers..... | 5 00 |
| Best ten pounds dried plums, by producer..... | J. B. Griffin, Yolo..... | 5 00 |
| Best ten pounds dried prunes, by producer..... | D. A. Jackson, Woodland..... | 10 00 |
| Best ten pounds dried apricots, by producer..... | J. B. Griffin, Yolo..... | 5 00 |
| Best ten pounds dried nectarines, by pro- ducer..... | J. P. Odbert, Sacramento..... | 5 00 |
| Best ten pounds dried cherries, by producer..... | S. N. Stranahan, Nevada City..... | 5 00 |
| Best ten pounds dried blackberries, by pro- ducer..... | J. P. Odbert, Sacramento..... | 5 00 |
| Best ten pounds dried raspberries, by pro- ducer..... | J. P. Odbert, Sacramento..... | 5 00 |
| Best ten pounds dried strawberries, by pro- ducer..... | J. P. Odbert, Sacramento..... | 5 00 |
| Best ten pounds dried figs, by producer..... | L. G. Stone, Woodland..... | 10 00 |
| Second best..... | W. M. Foster, Lincoln..... | 5 00 |
| Best general display of dried fruits, by pro- ducer..... | J. P. Odbert, Sacramento..... | 20 00 |
| Second best..... | W. M. Foster, Lincoln..... | 10 00 |
| Best and largest display of soft-shell almonds, not less than fifty pounds..... | Mrs. G. H. Kerr, Elk Grove..... | 10 00 |
| Best and largest display of peanuts, not less than one hundred pounds..... | C. A. Hull, Union House..... | 5 00 |
| Best fruit package..... | E. B. Beecher, Auburn..... | 10 00 |
| CLASS IV—GRAPES AND RAISINS. | | |
| Best display of California raisins..... | D. A. Jackson, Woodland..... | 20 00 |
| Second best..... | E. J. Clanton, Woodland..... | 10 00 |
| Best display of seedless raisins..... | L. B. Cooper, Woodland..... | 10 00 |
| Best six varieties of table grapes, not less than three bunches each..... | J. M. Davis, Florin..... | 15 00 |
| Second best..... | Thomas Ryder, Woodland..... | 7 50 |
| Best three varieties of table grapes, not less than three bunches each..... | L. B. Cooper, Woodland..... | 10 00 |
| Second best..... | E. L. Hawk, Rocklin..... | 5 00 |
| Best variety of table grapes, not less than three bunches..... | L. G. Stone, Woodland..... | 5 00 |
| Second best..... | J. M. Davies, Florin..... | 2 00 |
| Best six varieties of wine grapes, not less than three bunches each..... | R. Williamson, Sacramento..... | 15 00 |
| Second best..... | Mrs. Purrington, Santa Rosa..... | 7 50 |

SIXTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---|-------------|
| Best three varieties of wine grapes, not less than three bunches each..... | E. L. Hawk, Rocklin..... | \$10 00 |
| Second best..... | P. H. Murphy, Perkins..... | 5 00 |
| Best variety of wine grapes, not less than three bunches..... | P. H. Murphy, Perkins..... | 5 00 |
| Second best..... | R. Williamson, Sacramento..... | 2 00 |
| Best general display of grapes, by the producer..... | L. G. Stone, Yolo..... | 25 00 |
| Second best..... | Thomas Ryder, Woodland..... | 15 00 |
| CLASS V—BRANDIES AND WINES. | | |
| Best general display of California brandies and wines..... | C. A. Wetmore, San Francisco..... | 100 00 |
| Best white wine two years old and over, not less than one dozen bottles..... | C. A. Wetmore, San Francisco..... | 20 00 |
| Best white wine one year old..... | C. A. Wetmore, San Francisco..... | 10 00 |
| Best claret wine three years old and over, not less than one dozen bottles..... | M. M. Estee, Napa..... | 20 00 |
| Best claret wine two years old, not less than one dozen bottles..... | C. A. Wetmore, San Francisco..... | 10 00 |
| Best claret wine one year old..... | C. A. Wetmore, San Francisco..... | 5 00 |
| Best sweet wine, not less than one dozen bottles..... | C. A. Wetmore, San Francisco..... | 20 00 |
| Best California port two years old and over, not less than one dozen bottles..... | C. A. Wetmore, San Francisco..... | 15 00 |
| Best California port one year old, not less than one dozen bottles..... | C. A. Wetmore, San Francisco..... | 10 00 |
| Best California sherry two years old and over, not less than one dozen bottles..... | C. A. Wetmore, San Francisco..... | 15 00 |
| Best California sherry one year old, not less than one dozen bottles..... | C. A. Wetmore, San Francisco..... | 10 00 |
| Best California champagne, not less than one dozen bottles..... | A. Fink's widow, San Francisco..... | 25 00 |
| Best grape brandy three years old and over..... | John Kaiser, Penryn..... | 20 00 |
| Best grape brandy two years old..... | John Kaiser, Penryn..... | 10 00 |
| Best grape brandy one year old..... | C. A. Wetmore, San Francisco..... | 5 00 |
| CLASS VI—BEER. | | |
| Best lager beer..... | Buffalo Brewing Company..... | Dip. & \$20 |
| Best export beer..... | Buffalo Brewing Company..... | Dip. & \$10 |
| CLASS VII—OILS. | | |
| Best olive oil, not less than one dozen bottles..... | C. A. Wetmore, San Francisco..... | \$10 00 |
| Best castor oil, not less than five gallons..... | W. H. Murray, San Francisco..... | 10 00 |
| Best linseed oil, not less than five gallons..... | W. H. Murray, San Francisco..... | 5 00 |
| Best lard oil, not less than five gallons..... | W. H. Murray, San Francisco..... | 5 00 |
| CLASS VIII—MISCELLANEOUS. | | |
| Best display of quinces..... | J. L. Stubbs, Sacramento..... | 5 00 |
| Best mineral water..... | Mt. Shasta Mineral Spring Co..... | Sil. med. |
| Best ginger ale (Shasta)..... | Mt. Shasta Mineral Spring Co..... | Diploma. |
| Best sarsaparilla and iron..... | Mt. Shasta Mineral Spring Co..... | \$5 00 |
| Best four varieties of olives on limb..... | Isaac Lea, Florin..... | 2 50 |
| Best seedless grapes, "Thompson's"..... | J. P. Onstott, Yuba City..... | 5 00 |
| Best watermelon jelly..... | Belle Muddox, Sacramento..... | 5 00 |
| Best plum jelly..... | Belle Muddox, Sacramento..... | 5 00 |
| Best apple cider, "Martinelli" brand..... | W. H. Murray, San Francisco..... | Diploma. |
| Best orange cider..... | Lindley & Co., Sacramento..... | Diploma. |
| Best wine vinegar..... | Robert Cosner, Colusa..... | \$5 00 |
| Best pomegranates..... | Mrs. M. L. Rich, Sacramento..... | 5 00 |
| Best sulphur water..... | Colusa Sulphur Springs Co., Colusa..... | Diploma. |
| Best pickled olives, green and ripe..... | C. A. Wetmore, San Francisco..... | Diploma. |
| Best root beer, "Hives"..... | The Chas. E. Hives Co. (John H. Spohn, agent), San Francisco..... | Diploma. |
| Best cough cure, "Hives"..... | The Chas. E. Hives Co. (John H. Spohn, agent), San Francisco..... | Sil. med. |
| Best six jars crabapple jelly, in glass..... | T. L. Herbert, Penryn..... | \$5 00 |
| Best six jars grape jelly, in glass..... | T. L. Herbert, Penryn..... | 5 00 |
| Best Japanese persimmons..... | J. H. Hamilton, Sacramento..... | 5 00 |

SEVENTH DEPARTMENT.

FINE ARTS.

| Exhibit. | Exhibitor. | Award. |
|--|---|-------------|
| CLASS I—OIL PAINTINGS, WATER COLORS, CRAYONS, CHARCOALS, AND PASTELS. | | |
| Two oil paintings | Eva Joseph, Colusa | \$5 00 |
| Four oil paintings | A. Joullin, San Francisco | 25 00 |
| Six oil paintings | Eva Withrow, San Francisco | 30 00 |
| Four oil paintings and two water colors | Susan Sroufe, San Francisco | 25 00 |
| Eleven oil paintings | M. Straus, San Francisco | 35 00 |
| Twenty-four oil paintings | Norton Bush, San Francisco | 40 00 |
| Eight oil paintings | Mrs. D. W. Gelwicks, San Fran. | 10 00 |
| Five oil paintings | Alice B. Chittenden, San Fran. | S.M. & \$35 |
| Eight oil paintings | E. Narjot, San Francisco | \$35 00 |
| Eight oil paintings | Frank L. Heath, San Francisco | S.M. & \$45 |
| Six oil paintings | Mrs. A. C. Herrick, Sacramento | \$10 00 |
| One oil painting and one crayon | F. Bolding, San Francisco | 20 00 |
| Five oil paintings | S. E. Bender, San Francisco | 20 00 |
| Six oil paintings | R. D. Yelland, San Francisco | S.M. & \$50 |
| Eight oil paintings | William Keith, San Francisco | \$50 00 |
| Three oil paintings and four water colors | Hugo Fisher, San Francisco | S.M. & \$85 |
| Two oil paintings | Henry Bacon, Paris | \$30 00 |
| Four oil paintings | J. A. Harrington, San Francisco | 10 00 |
| Twelve oil and water color paintings | A. Bolnesi, San Francisco | S.M. & \$50 |
| Three water color paintings | S. M. Farnam, Oakland | \$10 00 |
| Three oil paintings | Lee Lash, San Francisco | 30 00 |
| Twenty-three oil and water color paintings | Amanda Austin, Sacramento | 15 00 |
| Two oil paintings | Thomas Hill, San Francisco | 50 00 |
| Twelve oil and water color paintings | O. Kunath, San Francisco | G.M. & \$60 |
| One oil and fifteen water color paintings | Katsuzo Takahashi, San Francisco | \$25 00 |
| One oil painting | Mrs. A. E. Rogers, Sacramento | 5 00 |
| One oil painting | F. J. Lewis, Sacramento | 5 00 |
| Ten oil and water color paintings | Isabel Sola, San Francisco | 10 00 |
| Two water color paintings | Mrs. H. Kelly, San Francisco | 10 00 |
| Ten water color paintings | Mrs. C. B. Paine, San Francisco | 10 00 |
| Ten water color paintings | Stella Austin, San Francisco | 10 00 |
| One water color painting | Sarah B. Gamble, San Francisco | 5 00 |
| Eight water color paintings | Chris. Jorgensen, San Francisco | S.M. & \$30 |
| One crayon drawing | Alice W. Maslin, Sacramento | \$5 00 |
| One crayon drawing | Miss C. E. Usher, Woodland | 10 00 |
| Nine oil paintings | Bertha E. Stringer, San Francisco | 10 00 |
| Six oil paintings | Mrs. S. S. Boynton, Oroville | 5 00 |
| One oil painting | Miss May Bailey, Oakland | 5 00 |
| Two water color paintings | Kate C. Thompson, San Francisco | 10 00 |
| Two oil paintings | Joey Richardson, Sacramento | 5 00 |
| AMATEURS' GALLERY. | | |
| Five oil paintings | Grace A. Robinson, San Francisco | 5 00 |
| Five oil paintings | Nellie L. Treat, San Francisco | 5 00 |
| Fourteen oil paintings | Mary Williams, San Francisco | S.M. & \$20 |
| Three oil paintings | Nellie Gray, Sacramento | \$5 00 |
| Five oil paintings | Amelia Stallman, San Francisco | 10 00 |
| Five oil paintings | Nellie Warren, San Francisco | 10 00 |
| Two oil paintings | Miss J. M. Blanch, Sacramento | 5 00 |
| Three oil paintings | Kate Wadsworth, Sacramento | 5 00 |
| Two crayon drawings | Paul Memagoena, San Francisco | 5 00 |
| Four crayon drawings | Mrs. H. I. Seymour, Sacramento | 5 00 |
| Six oil paintings | Hattie B. Bell, Sacramento | 5 00 |
| Two oil paintings | Mary A. Lewis, Sacramento | 5 00 |
| Five oil paintings | Louise J. Conrad, Sacramento | 5 00 |
| One crayon and one water color | Lulu Bandy, Woodland | 5 00 |
| Three oil paintings | Laura Weinrich, Sacramento | 5 00 |
| One oil painting | Ida Frick, Sacramento | 5 00 |
| CLASS II—PHOTOGRAPHS. | | |
| Display of photographs | I. W. Taber, San Francisco | 5 00 |
| Display of photographs | I. Boysen, Sacramento | 5 00 |
| Best display of photographs | J. R. Hodson, Sacramento | S.M. & \$20 |

SEVENTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------------|-------------|
| Best display of landscape photography..... | George D. Stewart, Sacramento..... | \$10 00 |
| Best display of photographic pictures..... | A. O. Gregory, Sacramento..... | 10 00 |
| CLASS III—ETCHINGS, INDIA INK, PEN AND PENCIL DRAWINGS. | | |
| Thirty-six pencil drawings | Nellie A. Stearns, San Francisco..... | S.M. & \$25 |
| Six pencil drawings | Mrs. R. V. Davis, San Francisco .. | \$5 00 |
| Fourteen pen and ink drawings | Leonora Leis Kothe, San Francisco | 10 00 |
| Framed pen and ink sketches | Chris. Jorgensen, San Francisco .. | 10 00 |
| Framed pen and ink sketches | O. Kunath, San Francisco..... | 10 00 |
| CLASS IV—STATUARY, FRESCO, MOSAIC, AND CARVED WORK. | | |
| Best carved work | Adam Barber, Sacramento..... | 10 00 |
| Fourteen pieces statuary | R. Schmidt, San Francisco..... | S.M. & \$25 |
| Six pieces statuary | Fred. Flohr, San Francisco..... | \$10 00 |
| Two medallion busts | W. A. Newell, San Francisco..... | 5 00 |
| CLASS V—PENMANSHIP. | | |
| Best display of plain and ornamental pen- manship..... | Sacramento Business College..... | 5 00 |
| CLASS VI—JUVENILE. | | |
| One oil painting..... | Fred. M. Cotter, San Francisco.... | 5 00 |
| CLASS VII—CALIFORNIA DRAWINGS AND DESIGNS. | | |
| Best display of mechanical and free-hand drawing by class..... | Sacramento Grammar School..... | 20 00 |

EIGHTH DEPARTMENT.

COUNTY EXHIBITS.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|------------------------------------|----------|
| Colusa County exhibit | Robt. Cosner, Colusa..... | \$750 00 |
| Placer County exhibit | E. B. Beecher, Auburn | 550 00 |
| Yolo County exhibit | D. A. Jackson, Woodland | 350 00 |
| Sacramento County exhibit | J. P. Odbert, Sacramento..... | 350 00 |
| Sonoma County exhibit | Mrs. F. Purrington, Santa Rosa.... | 150 00 |
| Tulare County exhibit | J. T. Adams, Tulare..... | 150 00 |

DEPARTMENT GOLD MEDALS.

FIRST DEPARTMENT.

To F. H. Burke, Menlo Park, for most meritorious exhibit of standard-bred horses—Eros and family.

To J. C. Smith, Oakland, for horses other than standard-bred—Percherons.

To A. & A. Heilbron, Sacramento, for live stock other than horses—Durham and Hereford cattle.

SECOND DEPARTMENT.

To Stockton Combined Harvester and Agricultural Works, Stockton, for best exhibit of agricultural machinery and plows.

THIRD DEPARTMENT.

To Ingram & Bird, Sacramento, for best exhibit of upholstery.

FOURTH DEPARTMENT.

To A. A. Van Voorhies & Co., Sacramento, for best display of mechanical products.

FIFTH DEPARTMENT.

To Sacramento Packing Co., for best exhibit of canned fruits.

SIXTH DEPARTMENT.

To Buffalo Brewing Co., Sacramento, for best export and lager beer.

SEVENTH DEPARTMENT.

To O. Kunath, for best exhibit in fine arts.

THE MOST ATTRACTIVE DISPLAY.

To Holbrook, Merrill & Stetson, Sacramento, for stoves and tinware.

SPECIAL.

To D. B. Matlock, San José, for best fruit gatherer.

To Electrical Engineering Co., San Francisco, for best electrical motor for power transmission.

SPEED PROGRAMME.

TUESDAY, SEPTEMBER 8, 1891.

RACE No. 1—TROTTING.

The Occident Stake. For foals of 1888. Entries closed January 1, 1889. Entrance, \$100, of which \$10 must accompany nomination; \$15 to be paid January 1, 1890; \$25 January 1, 1891, and \$50 thirty days before the race. The Occident Gold Cup, of the value of \$400, to be added by the Society. First colt, Cup and six tenths; second colt, three tenths, and third colt, one tenth of stake. Five to enter, three to start; otherwise, National Trotting Association Rules. Mile heats, three in five, to harness. Payments were made as follows: Thirty-five at \$10, twenty-three at \$25, eight at \$50, five at \$100; total, \$1,825.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|----------------------------------|
| Myrtle, br. f., by Anteo; dam, Luella, by Nutwood. | I. De Turk, Santa Rosa. |
| Vida Wilkes, ch. f., by Guy Wilkes; dam, Vixen, by Nutwood | San Mateo Stock Farm, San Mateo. |

SUMMARY.

| | | | |
|------------------------------|---|---|---|
| Myrtle (McGraw)..... | 1 | 1 | 1 |
| Vida Wilkes (Goldsmith)..... | 2 | 2 | 2 |

Time—2:19½; 2:22; 2:29.

RACE No. 2—TROTTING.

2:28 Class. Purse, \$800. Mile heats, best three in five.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|-----------------------------------|
| Lizzie F, b. m., by Elector; dam, by Duke's McClellan | Funk Bros., Farmington. |
| Ladywell, blk. f., by Electioneer; dam, Lady Lowell, by Shultz's St. Clair | Palo Alto Stock Farm, Menlo Park. |
| Lynette, b. m., by Lynwood; dam, Lady Belle, by Kentucky Hunter | Agnew Stock Farm, Hillsdale. |

SUMMARY.

| | | | | |
|--------------------------|---|---|---|---|
| Lizzie F (Campbell)..... | 1 | 2 | 1 | 1 |
| Ladywell (Marvin)..... | 3 | 1 | 2 | 2 |
| Lynette (Williams)..... | 2 | 3 | 3 | 3 |

Time—2:22½; 2:27; 2:24½; 2:25½.

RACE NO. 3—TROTTING.

State Fair Stallion Race. Purse, \$2,500. Mile heats, best three in five. Payments were made as follows: Two at \$250, four at \$187 50; total, \$1,250.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|-------------------------------|
| Silas Skinner, blk. s., by Alcona, Jr.; dam, Fontana, by Almont..... | De Turk & McGraw, Santa Rosa. |
| Beaumont, ch. s., by Le Grande; dam, Oak Grove Belle, by Arthurlton..... | John Donnelly, San Mateo. |

SUMMARY.

| | | | |
|------------------------------|---|---|---|
| Silas Skinner (McGraw) | 1 | 1 | 1 |
| Beaumont (Goldsmith) | 2 | 2 | 2 |

Time—2:30½; 2:27; 2:25½.

WEDNESDAY, SEPTEMBER 9, 1891.

RACE NO. 4—RUNNING.

Opening scramble for two-year olds. A sweepstake of \$25 each; \$15 forfeit, or only \$10 if declared on or before September 1st; with \$350 added; of which \$50 to second. Winners at this distance in 1891, once, to carry three pounds; twice, five pounds extra. Maidens allowed five pounds. Three quarters of a mile. Payments made and forfeits issued as follows: Two at \$10, eleven at \$15, seven at \$25; total, \$360.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|------------------------------|
| Dr. Ross, b. c., by Cheviot; dam, by The Drummer..... | Geo. Van Gorden, San Simeon. |
| The Peer, ch. c., by Joe Hooker; dam, Clara L..... | J. McKay, Sacramento. |
| Bessie W, b. f., by Darebin; dam, Glendora..... | C. S. Sargent, Stockton. |
| Undine, br. f., by Hyder Ali; dam, Katie Fletcher..... | C. S. Sargent, Stockton. |
| Sam Mount, b. c., by Ironclad; dam, Daisy D, by Wheatly..... | C. Cockrell, Salinas. |
| Lucinda, ch. f., by Leinster; dam, Aunt Jane, by Bazaar..... | W. F. Smith, Sacramento. |
| Romair, b. c., by Argyle; dam, by imp. Rosetta..... | D. J. McCarty, Pleasanton. |

SUMMARY.

| | |
|--------------------------------|---|
| Dr. Ross (Hill), 118..... | 1 |
| The Peer (Warren), 118..... | 2 |
| Bessie W (Gannon), 115..... | 3 |
| Undine (Perow), 115..... | 0 |
| Sam Mount (Sullivan), 118..... | 0 |
| Lucinda (O'Hern), 115..... | 0 |
| Romair (Ward), 118..... | 0 |

Time—1:16.

RACE No. 5—RUNNING.

The Sunset Stake. A sweepstake for three-year olds (foals of 1888); \$100 each, h. f., or only \$10 if declared January 1st; \$15 May 1st; or \$25 August 1, 1891; declarations void unless accompanied by the money; with \$600 added; of which \$150 to second; \$100 to third. Winner of any stake race in 1891 of the value of \$1,000 to carry five pounds; of two or more, ten pounds extra. Maidens allowed five pounds. One mile and a quarter. Payments made and forfeits issued as follows: Nine at \$10, two at \$15, two at \$25, nineteen at \$50, and two at \$100; total, \$1,320.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|-----------------------------|
| Cheerful, b. f., by Three Cheers; dam, Queen Emma, by Woodburn | Fashion Stable, Pleasanton. |
| Sinfax, b. c., by Wildidle; dam, Fostress, by Foster. | Cy. Mulkey, Sacramento. |

| SUMMARY. | |
|----------------------|---|
| Cheerful (Ward), 119 | 1 |
| Sinfax (Cook), 122 | 2 |

Time—2:10.

RACE No. 6—RUNNING.

The Rosemeade Handicap. For all ages; of \$50 each, h. f.; \$15 declaration; with \$400 added; second to receive \$100, and third \$50 from the stakes. One and one eighth miles. Payments were made as follows: Twelve at \$15, three at \$50; total, \$330.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|------------------------------|
| Fairy (3), h. f., by Argyle; dam, Fairy Rose, by Kisber. | L. J. Rose, Los Angeles. |
| Almont (5), b. h., by Three Cheers; dam, Question, by Joe Hooker | Geo. Van Gorden, San Simeon. |
| Jackson (6), b. h., by Luke Blackburn; dam, Ivy Leaf, by imp. Australian. | E. Savage, San Francisco. |

| SUMMARY. | |
|----------------------|---|
| Fairy (Rafour), 109 | 1 |
| Almont (Hill), 122 | 2 |
| Jackson (Lloyd), 122 | 3 |

Time—1:56½.

RACE No. 7—RUNNING.

Selling purse, \$300; of which \$50 to second; for all ages. Horses entered to be sold for \$1,500 to carry rule weights; two pounds off for each \$100 less down to \$1,000; then one pound off for each \$100 less down to \$500. Horses entered not to be sold to carry five pounds above the scale. Mile heats.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|-------------------------|
| Fannie F (6), b. m., by Wildidle; dam, Sally Hart. | O. Appleby, San José. |
| Gladiator (5), b. g., by Grinstead; dam, Althola, by Athol | Cy. Mulkey, Sacramento. |
| Ledon (6), blk. g., by Nathan Coombs; dam, Gypsy. | Elmwood Farm, Milpitas. |

| SUMMARY. | |
|------------------------|-----|
| Fannie F (Spence), 114 | 1 1 |
| Gladiator (Cook), 117 | 2 2 |
| Ledon (Ward), 117 | 3 3 |

Time—1:44½; 1:46½.

THURSDAY, SEPTEMBER 10, 1891.

RACE No. 8—TROTTING.

Two-year Old Stake. Entrance, \$50; of which \$10 must accompany nomination; \$15 payable July 1st, and remaining \$25 August 10, 1891; \$300 added by the Society. Mile heats. Payments were made as follows: Thirteen at \$10, six at \$25, seven at \$50; total, \$680.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|-----------------------------------|
| Arion, b. c., by Electioneer; dam, Manette, by Nutwood | Palo Alto Stock Farm, Menlo Park. |
| Kebir, b. c., by Alcazar; dam, Yerba Santa, by Santa Claus | W. F. Smith, Sacramento. |
| Macleay, blk. c., by Sable Wilkes; dam, Mamie Comet, by Nutwood | San Mateo Stock Farm, San Mateo. |
| Rosiris, b. c., by Iris; dam, Rosy W, by Bay Rose. | H. P. Perkins, Visalia. |

SUMMARY.

| | |
|--------------------------|--------|
| Arion (Marvin)..... | 1 1 |
| Kebir (Smith)..... | 2 2 |
| Macleay (Goldsmith)..... | 3 dis. |
| Rosiris (Bayless)..... | 4 dis. |

Time—2:27; 2:21.

RACE No. 9—PACING.

2:25 Class. Purse, \$300. Mile heats, best three in five.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|----------------------------------|
| Allanah, b. m., by Guy Wilkes; dam, Mollie Drew, by Winthrop | San Mateo Stock Farm, San Mateo. |
| Lilley, g. m., by Steinway; dam, by Whipple's Hambletonian | O. A. Hickok, San Francisco. |
| Howard St. Clair, br. s., by Robert St. Clair; dam, Belle, by McCoy's Patchen | Howard Brothers, Hanford. |
| Keno, blk. g., by Jim Mulvenna; dam, Hattie L. | B. V. Sargent, Monterey. |
| George N, g. g., by Dorsey's Nephew; dam, by Norfolk | Houser & Nicewonger, Stockton. |
| Norton, blk. g., sire and dam unknown | Thomas Norton, Sacramento. |
| Laura M, br. m., by Almont Patchen; dam, Lady Fay | C. H. Corey, San José. |

SUMMARY.

| | |
|---------------------------------|--------|
| Allanah (Goldsmith)..... | 1 1 1 |
| Lilley (Hickok)..... | 3 2 2 |
| Howard St. Clair (Hellman)..... | 4 3 3 |
| Keno (Rodriguez)..... | 2 dis. |
| George N (Houser)..... | 5 dis. |
| Norton (Norton)..... | dis. |
| Laura M (Sullivan)..... | dis. |

Time—2:23½; 2:18; 2:20½.

RACE No. 10—SPECIAL TROTTING.

2:30 Class. Purse, \$600. Mile heats, best three in five, to harness.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|------------------------------|
| Chloe, blk. m., by Dexter Prince; dam, by Hawthorne | T. C. Snider, Sacramento. |
| Our Jack, b. g., by Gibraltar; dam, Mattie W. | H. Willis, Carson City. |
| Josie C, blk. m., by Ha Ha; dam, by Black Hawk | A. L. Hinds, Oakland. |
| Rockwood, b. g., by Weatherhead's Woodnut; dam, Lady Washington | J. E. Corey, San José. |
| Kehoe, b. h., by Alex Button; dam, Sibyl | G. W. Woodard, Yolo. |
| Sacramento Girl, b. m., by Alcazar; dam, by Flax-tail | H. S. Hogoboom, Eureka. |
| General Blucher, b. g., by Sterling; dam, by Brigadier | B. E. Harris, San Francisco. |

SUMMARY.

| | | | | |
|--------------------------------|---|---|---|------|
| Chloe (Havey) | 1 | 1 | 6 | 1 |
| Our Jack (Willis) | 3 | 5 | 1 | 3 |
| Josie C (Hinds) | 5 | 2 | 3 | 2 |
| Rockwood (Corey and Goldsmith) | 6 | 3 | 2 | 4 |
| Kehoe (Bigelow) | 2 | 4 | 4 | 5 |
| Sacramento Girl (Hogoboom) | 4 | 6 | 5 | dis. |
| General Blucher (Harris) | | | | dis. |

Time—2:32; 2:31½; 2:30½; 2:28½.

FRIDAY, SEPTEMBER 11, 1891.

RACE No. 11—RUNNING.

The Acclaim Stake. For all ages; \$25 each; \$15 forfeit, or only \$10 if declared by September 1st; with \$350 added; of which \$50 to second. Winners at this distance in 1891 to carry five pounds extra. Non-winners in 1891, three years old and upwards, when carrying weight for age or more, allowed ten pounds. Three quarters of a mile. Payments made and forfeits issued as follows: Five at \$10, nineteen at \$15, five at \$25; total, \$460.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|--------------------------------|
| Fairy (3), b. f., by Argyle; dam, Fairy Rose, by Kisber | L. J. Rose, Los Angeles. |
| Del Mar (5), ch. h., by Somnus; dam, Maid of the Hills | George Van Gorden, San Simeon. |
| Inkerman (5), b. g., by Ironclad; dam, Alice, by Wheatley | W. B. Sanborn, San José. |
| Esperanza (2), ch. f., by Judge McKinstry; dam, May D, by Wildidle | O. Appleby, San José. |
| Minnie Miller (3), ch. f., by Joe Daniels; dam, Minnie Smith | J. J. Dolan, Modesto. |

SUMMARY.

| | |
|----------------------------|---|
| Fairy (Rafour), 113 | 1 |
| Del Mar (Hill), 122 | 2 |
| Inkerman (Bally), 122 | 3 |
| Esperanza (Spence), 88 | 0 |
| Minnie Miller (Brown), 113 | 0 |

Time—1:14½.

RACE No. 12—RUNNING.

A Selling Sweepstake; of \$20 each for starters, with \$350 added; \$75 to second from the starting money. Fixed valuation, \$2,000. One pound off for each \$100 less down to \$1,000; then two pounds off down to \$500. Horses entered not to be sold to carry rule weight. One and one eighth miles. Payments were made as follows: Three at \$20; total, \$60.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|----------------------------------|
| John Treat (a), g. g., by Shiloh; dam, unknown |D. Bridges, San Bernardino. |
| Fanny F (6), b. m., by Wildidle; dam, Sally Hart. |O. Appleby, San José. |
| Gorget (4), b. g., by Wildidler; dam, Mary Wade, by Woodburn |E. Savage, San Francisco. |

SUMMARY.

| | |
|-------------------------|---|
| John Treat (Roach), 122 | 1 |
| Fanny F (Spence), 119 | 2 |
| Gorget (Lloyd), 122 | 3 |

Time—1:58.

RACE No. 13—RUNNING.

The Sunny Slope Stake. A sweepstake for two-year old fillies (foals of 1889); of \$50 each, h. f., or only \$10 if declared on or before January 1st, or \$15 by May 1, 1891; declarations without money are void; with \$350 added; of which \$50 to second. Non-winners allowed five pounds. Five eighths of a mile. Payments made and forfeits issued as follows: Two at \$10, ten at \$25, three at \$50; total, \$420.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|----------------------------------|
| Folly, ch. f., by Wildidle; dam, Fostress, by Foster |C. A. Brown, Sacramento. |
| Stella, ch. f., by Prince of Norfolk; dam unknown. |Dennison Bros., Sacramento. |
| Gracie C, b. f., by Joe Hooker; dam, Corona. |Owen Bros., Fresno. |

SUMMARY.

| | |
|---------------------------|---|
| Folly (Ward), 115 | 1 |
| Stella (C. Dennison), 110 | 2 |
| Gracie C (Sullivan), 110 | 3 |

Time—1:04½.

RACE No. 14—RUNNING.

The Capital City Stake. A handicap for three-year olds; of \$100 each, h. f.; \$20 declaration; with \$400 added; of which \$100 to second. One and one sixteenth miles. Payments were made as follows: Four at \$20, one at \$100; total, \$180.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|----------------------------------|
| Cheerful, b. f., by Three Cheers; dam, Queen Emma, by Woodburn |Fashion Stable, Pleasanton. |

SUMMARY.

| | |
|----------|------------|
| Cheerful |W. O. |
|----------|------------|

SPECIAL RACE—RUNNING.

Free Handicap. For all ages. Purse, \$300; \$15 from starters. One mile. Payments were made as follows: Five at \$15; total, \$75.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|------------------------------|
| John Treat (a), g. g., by Shiloh; dam, unknown | D. Bridges, San Bernardino. |
| Sheridan (4), ch. h., by Young Bazaar; dam, Lost Girl, by Leinster | P. Siebenthaler, Sacramento. |
| Sir Walter (3), b. c., by Nathan Coombs; dam, Bessie | Elmwood Farm, Milpitas. |
| Cheerful (3), b. f., by Three Cheers; dam, Queen Emma, by Woodburn | Fashion Stable, Pleasanton. |
| Joker (5), ch. h., by Joe Hooker; dam, Daisy Miller | J. E. King, Woodland. |

SUMMARY.

| | |
|----------------------------|---|
| John Treat (Roach), 116 | 1 |
| Sheridan (Wright), 103 | 2 |
| Sir Walter (Sullivan), 100 | 3 |
| Cheerful (Ward), 112 | 0 |
| Joker (Rafour), 100 | 0 |

Time—1:42½.

SATURDAY, SEPTEMBER 12, 1891.

RACE No. 15—TROTTING.

Three-year Old Stake. Entrance, \$100; of which \$25 must accompany nomination; \$25 payable July 1st, and remaining \$50 payable August 10, 1891; \$400 added by the Society. Payments were made as follows: Four at \$100, six at \$25, three at \$50; total, \$700.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|----------------------------------|
| Vida Wilkes, ch. m., by Guy Wilkes; dam, Vixen, by Nutwood | San Mateo Stock Farm, San Mateo. |

SUMMARY.

| | |
|-------------------------|-------|
| Vida Wilkes (Goldsmith) | W. O. |
|-------------------------|-------|

RACE No. 16—TROTTING.

2:20 Class. Purse, \$1,200. (Hazel Wilkes barred.) Mile heats, best three in five.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|------------------------------|
| Una Wilkes, b. m., by Guy Wilkes; dam, Blanche, by Arthurton | J. A. Goldsmith, San Mateo. |
| Mary Lou, ch. m., by Tom Benton; dam, Brown Jennie, by Dave Hill, Jr. | O. A. Hickok, San Francisco. |
| Franklin, br. g., by Gen. Reno; dam, unknown | J. W. Donathan, Oakland. |
| Don Tomas, blk. g., by Del Sur; dam, Vasti, by Mambrino Patchen | C. A. Durfee, Los Angeles. |
| Lizzie F, b. m., by Elector; dam, Duke McClellan | Funk Bros., Farmington. |

SUMMARY.

| | | | | | |
|-------------------------------|---|---|---|---|------|
| Una Wilkes (Goldsmith) | 4 | 3 | 1 | 1 | 1 |
| Mary Lou (McCord and Keating) | 1 | 1 | 2 | 2 | 2 |
| Franklin (Donathan) | 5 | 2 | 5 | 5 | 3 |
| Don Tomas (Durfee) | 3 | 4 | 3 | 4 | 4 |
| Lizzie F (Campbell) | 2 | 5 | 4 | 3 | dis. |

Time—2:19½; 2:20; 2:21; 2:20; 2:23½.

RACE No. 17—TROTTING.

2:30 Class. Purse, \$800. Mile heats, best three in five.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|------------------------------|
| Flora G, br. m., by Altoona, by Almont; dam, Susie, by Conway's Patchen | H. J. Agnew, Hillsdale. |
| Laura Z, br. m., by Alex Button; dam, Black Dollie | Geo. W. Woodard, Yolo. |
| Colonel May, br. g., by May Boy; dam, Fanny Bicknell | R. J. Havey, San Mateo. |
| Serena, ch. m., by Sidney; dam, Blonde, by Elmo | J. A. Goldsmith, San Mateo. |
| Waldstein, br. s., by Director; dam, Nellie W, by Electioneer | H. S. Hogoboom, Rohnerville. |
| Lyda C, b. m., by Bay Rose; dam, Lofty, by Al-gona | H. P. Perkins, Visalia. |

SUMMARY.

| | | | |
|----------------------|---|---|---|
| Flora G (Agnew) | 1 | 1 | 1 |
| Laura Z (Bigelow) | 3 | 8 | 2 |
| Colonel May (Havey) | 5 | 2 | 3 |
| Serena (Goldsmith) | 2 | 4 | 5 |
| Waldstein (Hogoboom) | 6 | 5 | 4 |
| Lyda C (Bayless) | 4 | 6 | 6 |

Time—2:27; 2:25½; 2:25.

MONDAY, SEPTEMBER 14, 1891.

RACE No. 18—RUNNING.

The California Annual Stake. A sweepstake for two-year olds (foals of 1889); \$50 each, h. f., or only \$10 if declared January 1st, or \$15 May 1, 1891; declarations void without the money; with \$500 added; of which \$100 to second; third to save stake. Winners of stake races to carry, if once, three pounds; if twice or more, five pounds extra. Maidens allowed five pounds. Three quarters of a mile. Payments were made as follows: Three at \$10, one at \$15, eight at \$25, six at \$50; total, \$545.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|-----------------------------|
| Zaldivar, ch. c., by Joe Hooker; dam, Lena's First, by Bazaar | W. F. Smith, Sacramento. |
| Folly, ch. f., by Wildidle; dam, Fostress, by Foster | Cy. Mulkey, Sacramento. |
| Elmwood, b. c., by Nathan Coombs; dam, Mollie H. McGinty, ch. c., by Prince of Norfolk; dam, Lizzie Idle, by Wildidle | Elmwood Farm, Milpitas. |
| Red Cloud, b. c., by Red Iron; dam, Maggie D. | Dennison Bros., Sacramento. |
| Janus, ch. c., by Duke of Norfolk; dam, Elaine | Geo. Dinsdale, Woodland. |
| | E. Savage, San Francisco. |

SUMMARY.

| | |
|--------------------|---|
| Zaldivar (O'Hern) | 1 |
| Folly (Ward) | 2 |
| Elmwood (Warren) | 3 |
| McGinty (Dennison) | 0 |
| Red Cloud (Gannon) | 0 |
| Janus (Lloyd) | 0 |

Time—1:17.

RACE No. 19—RUNNING.

The Fall Stake. A handicap sweepstake for all ages; of \$50 each, h. f.; \$15 declaration; with \$500 added; second to receive \$100, and third \$50 from the stakes. One mile and a quarter. Payments made and forfeits issued as follows: Seven at \$15, one at \$25, three at \$50; total, \$280.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|------------------------------|
| Almont (5), b. h., by Three Cheers; dam, Question, by Joe Hooker | Geo. Van Gorden, San Simeon. |
| Sir Walter (3), b. c., by Nathan Coombs; dam, Bessie | Elmwood Farm, Milpitas. |
| King Hooker (4), ch. h., by Joe Hooker; dam, Violet, by Leinster | P. Siebenthaler, Sacramento |

SUMMARY.

| | |
|-----------------------------|---|
| Almont (Hill), 118 | 1 |
| Sir Walter (Warren), 100 | 2 |
| King Hooker (Sullivan), 105 | 3 |

Time—2:10½.

RACE No. 20—RUNNING.

For three-year olds and upwards. Purse, \$400; \$15 from starters to go to second horse. Horses that have started twice in a race one mile or over and not won, in 1891, allowed five pounds. Maidens allowed, if three years old, seven pounds; if four, ten pounds; if five years or upwards, fifteen pounds. One and one sixteenth miles.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|-----------------------------|
| Fairy (3), b. f., by Argyle; dam, Fairy Rose, by Kisber | L. J. Rose, Los Angeles. |
| Cheerful (3), b. f., by Three Cheers; dam, Queen Emma, by Woodburn | Fashion Stable, Pleasanton. |
| Jackson (6), b. h., by Luke Blackburn; dam, Ivy Leaf, by imp. Australian | E. Savage, San Francisco. |

SUMMARY.

| | |
|----------------------|---|
| Fairy (Rafour), 109 | 1 |
| Cheerful (Ward), 109 | 2 |
| Jackson (Lloyd), 117 | 3 |

Time—1:50.

RACE No. 21—RUNNING.

The Orange Stake. A handicap for three-year olds and upwards; of \$25 each; \$15 forfeit, or \$10 declaration; with \$350 added; of which \$50 to second. Three quarters of a mile. Payments made and forfeits issued as follows: Ten at \$10, three at \$15, seven at \$25; total, \$320.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|------------------------------|
| Del Mar (5), ch. h., by Somnus; dam, Maid of the Hills | Geo. Van Gorden, San Simeon. |
| Peregrine (a), ch. h., by Joe Hooker or Jumbo; dam, Irene Harding, by Jack Malone | E. Pickett, Elk Grove. |
| Captain Al. (4), br. h., by Kingston; dam, Black Maria, by Belmont | Owen Bros., Fresno. |
| Ida Glenn (a), ch. m., by Glen Ellen; dam, Queen | Dan Miller, San Francisco. |
| Initiation (4), b. m., by Inauguration; dam, Brown Maria | Elmwood Farm, Milpitas. |
| Inkerman (5), b. g., by Ironclad; dam, Alice, by Wheatley | W. B. Sanborn, San José. |
| John Treat (a), g. g., by Shiloh; dam, unknown | D. Bridges, San Bernardino. |

SUMMARY.

| | |
|---------------------------|---|
| Del Mar (Ward), 118 | 1 |
| Peregrine (Lee), 110 | 2 |
| Captain Al (Jenkins), 115 | 3 |
| Ida Glenn (Cooper), 100 | 0 |
| Initiation (Warren), 100 | 0 |
| Inkerman (Bally), 105 | 0 |
| John Treat (Roach), 118 | 0 |

Time—1:14½.

SPECIAL—NOVELTY RUNNING.

Free Purse, \$300. For all ages. Weight for age. One and one quarter miles. \$80 at one half mile; \$75 at three quarters mile; \$100 at one mile; \$125 at one and one quarter miles.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|------------------------------|
| Acclaim (3), b. f., by Three Cheers; dam, Rosette, by Wheatley | G. H. Kennedy, Santa Rosa. |
| Alfarata (5), br. m., by Wildidle; dam, Monday filly | O. Appleby, San José. |
| Onti Ora (3), blk. f., by Alta; dam, Thetis | Dan Reeves. |
| Lyda Ferguson (a), ch. m. | Cy. Mulkey, Sacramento. |
| Albatross (a), b. g., by Pill Box; dam, Della Walker, by Jimmy Glen | W. Gardner, Sacramento. |
| Sir Regnald (5), ch. g., by Joe Hooker; dam, Dolly Varden | W. Mastin, Sacramento. |
| Sheridan (4), ch. h., by Young Bazaar; dam, Lost Girl, by Leinster | P. Siebenthaler, Sacramento. |
| Fox (a), ch. g., by Housewarmer; dam, unknown | Geo. Howson, Sacramento. |
| Joker (5), ch. h., by Joe Hooker; dam, Daisy Miller | J. E. King, Woodland. |

SUMMARY.

| | |
|---------------------------|---|
| Acclaim (Warren), 109 | 1 |
| Alfarata (Appleby), 119 | 2 |
| Onti Ora (Sullivan), 109 | 3 |
| Lyda Ferguson (Cook), 119 | 0 |
| Albatross (Elliott), 122 | 0 |
| Sir Regnald (Lee), 122 | 0 |
| Sheridan (Wright), 122 | 0 |
| Fox (Richardson), 123 | 0 |
| Joker (Gannon), 122 | 0 |

Time—2:11½.

Acclaim was first at the three quarters, mile, and mile and a quarter. Lyda Ferguson was first at the half mile.

TUESDAY, SEPTEMBER 15, 1891.

RACE No. 22—TROTTING.

Four-year Old Stake. Entrance, \$100; of which \$25 must accompany nomination; \$25 payable July 1st, and remaining \$50 payable August 10, 1891; \$400 added by the Society. Mile heats, best three in five. Payments were made as follows: Three, at \$25, one at \$50, three at \$100; total, \$425.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|-----------------------------------|
| Coral, b. f., by Electioneer; dam, Columbine, by A. W. Richmond..... | Palo Alto Stock Farm, Menlo Park. |
| Lynette, b. f., by Linwood; dam, Lady Belle..... | Agnew Stock Farm, Hillsdale. |

SUMMARY.

| | | | | |
|--------------------------|---|---|---|---|
| Coral (Marvin) | 2 | 1 | 1 | 1 |
| Lynette (Williams) | 1 | 2 | 2 | 2 |

Time—2:36½; 2:35; 2:31; 2:27½.

RACE No. 23—TROTTING.

2:18 Class. Purse, \$1,500. Mile heats, best three in five.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|-------------------------------|
| Silas Skinner, blk. s., by Alcona, Jr.; dam, Fontana, by Almont..... | De Turk & McGraw, Santa Rosa. |
| Frank M, ch. g., by Priam; dam, by General Dana..... | T. E. Keating, Sacramento. |
| Wanda, b. m., by Eros; dam, Accident, by Elmo..... | F. H. Burke, San Francisco. |

SUMMARY.

| | | | | |
|------------------------------|---|---|---|---|
| Silas Skinner (McGraw) | 1 | 2 | 1 | 1 |
| Frank M (Keating) | 3 | 1 | 2 | 2 |
| Wanda (Hickok) | 2 | 3 | 3 | 3 |

Time—2:17; 2:17½; 2:17½; 2:19.

RACE No. 24—TROTTING.

2:40 Class. Purse, \$800. Mile heats, best three in five.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|-----------------------------|
| Serena, ch. m., by Sidney; dam, Blonde, by Elmo..... | J. A. Goldsmith, San Mateo. |
| Lyda C, b. m., by Bay Rose; dam, Lofly, by Algona..... | H. P. Perkins, Visalia. |
| Cubit, br. s., by Caliban; dam, Camlet, by Hamlet..... | C. R. Hoppin, Yolo. |

SUMMARY.

| | | | |
|--------------------------|---|---|---|
| Serena (Goldsmith) | 1 | 1 | 1 |
| Lyda C (Bayless) | 3 | 2 | 2 |
| Cubit (Bigelow) | 2 | 3 | 3 |

Time—2:33½; 2:34½; 2:39½.

RACE No. 25—SPECIAL TROTTING.

2:26 Class. Purse, \$500. Mile heats, best three in five.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|----------------------------|
| Annie E, b. m., by Tilton Almont; dam, by Belmont | W. R. Merrill, Willows. |
| Maud Patchen, b. m., by Idaho Patchen; dam, Maud W. | Suisun Stock Farm, Suisun. |
| Chloe, blk. m., by Dexter Prince; dam, by Hawthorne | T. C. Snider, Sacramento. |
| Fannie D, rn. m., by Milton; dam, unknown | J. Garrity, Oakland. |
| Our Jack, b. g., by Gibraltar; dam, Mattie W. | H. Willis, Carson City. |

SUMMARY.

| | |
|-----------------------------|--------------|
| Annie E (Goldsmith)..... | 3 3 1 3 1 1 |
| Maud Patchen (Keating)..... | 1 1 3 2 2 2 |
| Chloe (Havey)..... | 2 2 2 1 3 3 |
| Fannie D (Bayless)..... | 4 4 4 4 dis. |
| Our Jack (Willis)..... | dis. |

Time—2:30; 2:32½; 2:30; 2:29½; 2:30½; 2:32½.

WEDNESDAY, SEPTEMBER 16, 1891.

RACE No. 26—RUNNING.

The Autumn Handicap. A sweepstake for two-year olds (foals of 1889); of \$50 each, h. f., or only \$10 if declared January 1, 1891, or \$15 by six p. m. the day before the race; with \$600 added; of which \$100 to second; third to save stake. One mile. Payments made and forfeits issued as follows: Two at \$10, six at \$15, two at \$25, three at \$50; total, \$310.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|--------------------------|
| Zaldivar, ch. c., by Joe Hooker; dam, Lena's First, by Bazaar | W. F. Smith, Sacramento. |
| Elmwood, b. c., by Nathan Coombs; dam, Mollie H | Elmwood Farm, Milpitas. |
| Red Cloud, b. c., by Red Iron; dam, Maggie D. | Geo. Dinsdale, Woodland. |

SUMMARY.

| | |
|--------------------------------|---|
| Zaldivar (O'Hern), 115..... | 1 |
| Elmwood (Warren), 100..... | 2 |
| Red Cloud (Sullivan), 100..... | 3 |

Time—1:46½.

RACE No. 27—RUNNING.

The President Stake. A sweepstake for three-year olds (foals of 1888); \$100 each; of which \$5 must accompany nomination; \$10 payable January 1, 1890; \$15 January 1, 1891; \$20 May 1, 1891; the remaining \$50 the day of the race; payments not made as they become due forfeits money paid in and declares entry out; \$750 added; the entire stake and \$500 of the added money to winner; \$150 to second; \$100 to third. Winner of any three-year old stake race of the value of \$1,000 to carry five pounds; of two or more of any value, seven pounds extra; maidens allowed five pounds. One mile and a half. Payments were made as follows: Seven at \$5, six at \$15, two at \$30, one at \$50, one at \$100; total, \$385.

| Name and Pedigree of Horse. | By whom Entered. |
|--|---------------------|
| Mero, b. c., by Wildidle; dam, Precious, by Lever. | Owen Bros., Fresno. |

SUMMARY.

Mero (Jenkins) W. O.

RACE NO. 28—RUNNING.

The Maturity Stake. A handicap sweepstake for four-year olds; of \$50 each, h. f., or only \$15 if declared; with \$400 added; of which \$75 to second. One and one eighth miles. Payments were made as follows: One at \$15, four at \$50; total, \$215.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|------------------------------|
| Take Notice, b. c., by Prince Charlie; dam, Nota Bene, by Glenelg..... | L. U. Shippee, Stockton. |
| Captain Al, br. h., by Kingston; dam, Black Maria, by Belmont..... | Owen Bros., Fresno. |
| Initiation, b. m., by Inauguration; dam, Brown Maria..... | Elmwood Farm, Milpitas. |
| King Hooker, ch. c., by Joe Hooker; dam, Violet, by Leinster..... | P. Siebenthaler, Sacramento. |

SUMMARY.

| | |
|----------------------------------|---|
| Take Notice (Cook), 113..... | 1 |
| Captain Al (Jenkins), 115..... | 2 |
| Initiation (Warren), 100..... | 3 |
| King Hooker (Spoonier), 100..... | 0 |

Time—1:56½.

RACE NO. 29—RUNNING.

The Hopeful Stake. A handicap sweepstake for two-year olds; of \$50 each, h. f., or \$15 declaration; with \$400 added; of which \$75 to second. Three quarters of a mile. Payments made and forfeits issued as follows: Twelve at \$15, three at \$25, five at \$50; total, \$505.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|--------------------------------|
| Esperanza, ch. f., by Judge McKinstry; dam, May D, by Wildidle..... | O. Appleby, San José. |
| The Peer, ch. c., by Joe Hooker; dam, Clara L..... | J. McKay, Sacramento. |
| Ragna, b. f., by John Brown; dam, by Saxon..... | George Van Gorden, San Simeon. |
| Romair, b. c., by Argyle; dam, imp. Rosetta..... | D. J. McCarty, Pleasanton. |
| Undine, br. f., by Hyder Ali; dam, Katie Fletcher..... | C. S. Sargent, Stockton. |

SUMMARY.

| | |
|------------------------------|---|
| Esperanza (Spence), 100..... | 1 |
| The Peer (Warren), 115..... | 2 |
| Ragna (Ward), 118..... | 3 |
| Romair (Rafour), 110..... | 0 |
| Undine (Sullivan), 95..... | 0 |

Time—1:15½.

RACE No. 30—RUNNING.

Selling Purse, \$350. For three-year olds and upwards; \$15 from starters to go to second horse. Horses to be sold for \$1,500 to carry rule weight; one pound off for each \$100 less down to \$1,000; then two pounds for each \$100 down to \$500. Horses entered not to be sold to carry five pounds above the scale. One and one sixteenth miles.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|---------------------------|
| Gorget (4), b. g., by Wildidler; dam, Mary Wade, by Woodburn | E. Savage, San Francisco. |
| Ledon (6), blk. g., by Nathan Coombs; dam, Gypsy. | Elmwood Farm, Milpitas. |

SUMMARY.

| | |
|----------------------|---|
| Gorget (Rafour), 107 | 1 |
| Ledon (Stocum), 107 | 2 |

Time—1:52½.

RACE No. 31—RUNNING.

Free purse, \$300; of which \$50 to second. For all ages. One mile.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|------------------------------|
| Del Mar (5), ch. h., by Somnus; dam, Maid of the Hills | Geo. Van Gorden, San Simeon. |
| Nevada (a), ch. m., by Regent; dam, Miss Ella | B. C. Holly, Vallejo. |
| Acclaim (8), b. f., by Three Cheers; dam, Rosette, by Wheatley | G. H. Kennedy, Santa Rosa. |
| Supreme (a), b. g., by Joe Daniels; dam, June | J. J. Dolan, Modesto. |
| Joker (5), ch. h., by Joe Hooker; dam, Daisy Miller. | J. E. King, Woodland. |

SUMMARY.

| | |
|------------------------|---|
| Del Mar (Ward), 122 | 1 |
| Nevada (Hart), 119 | 2 |
| Acclaim (Warren), 109 | 3 |
| Supreme (Collier), 122 | 0 |
| Joker (Ball), 122 | 0 |

Time—1:42½.

THURSDAY, SEPTEMBER 17, 1891.

RACE No. 32—PACING.

2:15 Class. Purse, \$1,000. Mile heats, best three in five.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|-----------------------------|
| Turk Franklin, br. g., by Prospect; dam, unknown. | B. C. Holly, Vallejo. |
| Gold Medal, ch. g., by Nephew; dam, Peggy Donahue | Napa Stock Farm, Napa. |
| Rupee, br. s., by Guy Wilkes; dam, Sable Hayward, by Poscora Hayward | J. A. Goldsmith, San Mateo. |
| Princess Alice, blk. m., by Dexter Prince; dam, by McClellan | L. M. Morse, San Francisco. |

SUMMARY.

| | | | | | |
|---------------------------|---|---|---|---|---|
| Turk Franklin (Holly) | 3 | 3 | 1 | 1 | 1 |
| Gold Medal (Bayless) | 2 | 1 | 3 | 3 | 3 |
| Rupee (Goldsmith) | 4 | 2 | 2 | 2 | 2 |
| Princess Alice (Williams) | 1 | | | | |

Time—2:20; 2:14½; 2:16½; 2:21½; 2:21.

RACE No. 33—PACING.

Two-year Old Pacing Stake. Entrance, \$50; of which \$10 must accompany nomination; \$15 payable July 1st, and remaining \$25 August 10, 1891; \$300 added by the Society. Mile heats. Payments were made as follows: Two at \$10, three at \$25, two at \$50; total, \$195.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|--------------------------|
| Major Lambert, b. c., by California Lambert; dam, No. 60, by Hawthorne | L. U. Shippee, Stockton. |
| Easterwood, ch. s., by Woodnut; dam, by John Nelson | Jacob Steffen, Vallejo. |

SUMMARY.

| | | |
|--------------------------------|---|---|
| Major Lambert (Thompson) | 1 | 1 |
| Easterwood (Edge) | 2 | 2 |

Time—2:49; 2:44½.

RACE No. 34—TROTTING.

2:30 Class. Purse, \$300. Two-mile heats.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|------------------------------|
| Tom Tucker, b. g., by Fieldmont; dam, Flirt | B. C. Holly, Vallejo. |
| Sacramento Girl, b. m., by Alcazar; dam, Viola, by Flaxtail | H. S. Hogoboom, Rohnerville. |
| Josie C, blk. m., by Ha Ha; dam, by Black Hawk | A. L. Hinds, Oakland. |
| Kehoe, b. h., by Alex Button; dam, Sibyl | G. W. Woodard, Yolo. |

SUMMARY.

| | | | |
|--------------------------------------|---|---|------|
| Tom Tucker (Holly and Keating) | 2 | 1 | 1 |
| Sacramento Girl (Hogoboom) | 1 | 4 | 3 |
| Josie C (Hinds and Goldsmith) | 3 | 2 | 2 |
| Kehoe (Bigelow) | 4 | 3 | dis. |

Time—5:17; 5:13½; 5:00.

RACE No. 35—TROTTING.

2:26 Class. Purse, \$300. Mile heats, best three in five.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|------------------------------|
| Balkan, br. h., by Mambrino Wilkes; dam, Fanny Fern, by Jack Hawkins | Irvin Ayers, San Francisco. |
| Maud Dee, b. m., by Anteeo; dam, by Nutwood | R. Murphy, Oakland. |
| Vidette, b. m., by Dave Hill, Jr.; dam, by Whipple's Hambletonian | T. C. Snider, Sacramento. |
| Beaumont, ch. s., by Le Grande; dam, Oak Grove Belle, by Arthurton | J. A. Goldsmith, San Mateo. |
| Fanny D, rn. m., by Milton; dam, unknown | J. Garrity, Oakland. |
| Sydney J, b. g., by Revolution; dam, by Friday McCracken | C. F. Taylor, Nevada City. |
| Flora G, br. m., by Altoona; dam, Susie, by Conway's Patchen | Agnew Stock Farm, Hillsdale. |
| Rockwood, b. g., by Weatherhead's Woodnut; dam, Lady Washington | J. E. Corey, San José. |
| Don L, blk. s., by Fieldmont; dam, Nutmeg Maid, by Thos. Jefferson | B. C. Holly, Vallejo. |

SUMMARY.

| | | | | |
|-------------------------------------|---|---|------|---|
| Balkan (Hinds)..... | 1 | 1 | 2 | 1 |
| Maud Dee (Griffin and Bayless)..... | 7 | 8 | 1 | 2 |
| Vidette (Snider)..... | 2 | 9 | 4 | 3 |
| Beaumont (Goldsmith)..... | 5 | 2 | 6 | 8 |
| Fanny D (Garrity)..... | 3 | 7 | 5 | 7 |
| Sydney J (Taylor)..... | 6 | 5 | 3 | 4 |
| Flora G (Agnew and Holly)..... | 4 | 4 | 7 | 5 |
| Rockwood (Sullivan and Corey)..... | 9 | 6 | 8 | 6 |
| Don L (Holly)..... | 8 | 3 | dis. | |

Time—2:25½; 2:27½; 2:24½; 2:25½.

FRIDAY, SEPTEMBER 18, 1891.

RACE No. 36—RUNNING.

The Home Stake. A selling sweepstake of \$20 each, for two-year olds; with \$800 added; second to receive \$75 from starting money. Colts to be sold for \$1,500 to carry rule weight; two pounds off for each \$100 less down to \$1,000; then one pound off down to \$500. Three quarters of a mile. Payments were made as follows: Five at \$20; total, \$100.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|----------------------------|
| Esperanza, ch. f., by Judge McKinstry; dam, May D, by Wildidle..... | O. Appleby, San José. |
| Ninevah, b. f., by John A; dam, Nina Woodburn..... | L. U. Shippee, Stockton. |
| Lucinda, ch. f., by Leinster; dam, Aunt Jane, by Bazaar..... | W. F. Smith, Sacramento. |
| Edith, b. f., by Wildidle; dam, Centennial Belle..... | D. J. McCarty, Pleasanton. |
| Whitelight, ch. f., by Tomahawk; dam, unknown..... | J. J. Dolan, Modesto. |

SUMMARY.

| | |
|------------------------------|---|
| Esperanza (Spence), 111..... | 1 |
| Ninevah (Ristine), 100..... | 2 |
| Lucinda (O'Hern), 105..... | 3 |
| Edith (Ward), 100..... | 0 |
| Whitelight (Brown), 103..... | 0 |

Time—1:17½.

RACE No. 37—RUNNING.

The Rico Stake. For all ages; of \$50 each; \$15 forfeit; \$300 added; of which \$100 to second; third to save stake; \$200 additional if 1:41½ is beaten. Stake to be named after the winner if Rico's time (1:42) is beaten. One mile. Payments made and forfeits issued as follows: Fifteen at \$15, two at \$50; total, \$325.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|------------------------------|
| Del Mar (5), ch. h., by Somnus; dam, Maid of the Hills..... | Geo. Van Gorden, San Simeon. |
| Fairy (3), by Argyle; dam, Fairy Rose, by Kisber..... | L. J. Rose, Los Angeles. |

SUMMARY.

| | |
|--------------------------|---|
| Del Mar (Ward), 122..... | 1 |
| Fairy (Rafour), 109..... | 2 |

Time—1:41½.

RACE No. 38—RUNNING.

The La Rue Stake. A handicap for all ages; of \$100 each, h. f.; \$20 declaration; with \$500 added; of which \$100 to second; \$50 to third. One mile and a half. Payments were made as follows: Ten at \$20, four at \$100; total, \$800.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|--------------------------------|
| Take Notice (4), b. h., by Prince Charlie; dam, Nota Bene, by Glenelg | L. U. Shippee, Stockton. |
| Sinfax (3), b. c., by Wildidle; dam, Fostress, by Foster | Cy. Mulkey, Sacramento. |
| Cheerful (3), b. f., by Three Cheers; dam, Queen Emma, by Woodburn | Fashion Stable, Pleasanton. |
| Almont (5), b. h., by Three Cheers; dam, Question, by Joe Hooker | George Van Gorden, San Simeon. |

SUMMARY.

| | |
|-------------------------|---|
| Take Notice (Cook), 116 | 1 |
| Sinfax (Ward), 103 | 2 |
| Cheerful (Sullivan), 90 | 3 |
| Almont (Hart), 124 | 0 |

Time—2:37.

RACE No. 39—RUNNING.

Free purse, \$300; of which \$50 to second. For all ages. One and one sixteenth miles.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|----------------------------|
| Nevada, ch. m., by Regent; dam, Miss Ella | B. C. Holly, Vallejo. |
| Acclaim, b. f., by Three Cheers; dam, Rosette | G. H. Kennedy, Santa Rosa. |
| Captain Al, br. h., by Kingston; dam, Black Maria, by Belmont | Owen Bros., Fresno. |

SUMMARY.

| | |
|----------------------------|---|
| Nevada (Hart), 114 | 1 |
| Acclaim (Sullivan), 109 | 2 |
| Captain Al. (Jenkins), 115 | 3 |

Time—1:48½.

SPECIAL RUNNING RACE.

Free handicap; \$350 added; \$25 from starters; of which 75 per cent to second horse, 25 per cent to third horse. One and one sixteenth miles. Payments were made as follows: Five at \$25; total, \$125.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|------------------------------|
| Sir Walter, b. c., by Nathan Coombs; dam, Bessie | Elmwood Farm, Milpitas. |
| Romair, b. c., by Argyle; dam, imp. Rosetta | D. J. McCarty, Pleasanton. |
| King Hooker, ch. c., by Joe Hooker; dam, Violet | P. Siebenthaler, Sacramento. |
| Albatross, b. g., by Pill Box; dam, Della Walker | W. Gardner, Sacramento. |
| Sinfax (3), b. c., by Wildidle; dam, Fostress, by Foster | Cy. Mulkey, Sacramento. |

SUMMARY.

| | |
|-----------------------------------|-----|
| Sir Walter (Warren), 100 | 1 |
| Romair (Sullivan), 86 | 2 |
| King Hooker (Spoonier), 100 | 3 |
| Albatross (Spence), 95 | 0 |
| Sinfax | dr. |

Time—1:51½.

SATURDAY, SEPTEMBER 19, 1891.

RACE No. 40—TROTTING.

3:00 Class. Purse, \$1,000. Mile heats, best three in five.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|------------------------------|
| General Blucher, b. g., by Sterling; dam, by Brigadier | B. E. Harris, San Francisco. |
| Doc Button, b. h., by Alexander; dam, Betsy Button, by Bayswater | George W. Woodard, Yolo. |

SUMMARY.

| | | | |
|--------------------------------|---|---|---|
| General Blucher (Dunbar) | 1 | 1 | 1 |
| Doc Button (Button) | 2 | 2 | 2 |

Time—2:35; 2:37; 2:34½.

RACE No. 41—TROTTING.

Double Teams. Purse, \$600. Mile heats, best three in five.

| Name and Pedigree of Horse. | By Whom Entered. |
|-----------------------------------|--------------------------------|
| Joe Thompson and Mrs. White | C. H. Kingsley, San Francisco. |
| Irvin C and Diamond | J. C. Crooks, San Francisco. |
| Eva O and Maud Patchen | J. N. Killip, San Francisco. |

SUMMARY.

| | | | |
|--|---|------|---|
| Eva O and mate (Killip) | 1 | 1 | 1 |
| Joe Thompson and mate (Kingsley) | 2 | 2 | 2 |
| Irvin C and mate (Crooks) | 3 | dis. | |

Time—2:40; 2:40½; 2:42½.

RACE No. 42—AGAINST TIME.

To beat 2:30. Match race, \$150 a side.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|--------------------------|
| Holly, ch. g., by Kentucky, by Hambletonian (725); dam, Moss Mare, by Skenandoah (926); second dam, Pacific Maid, by Winthrop | John Mackey, Sacramento. |

SUMMARY.

| | |
|-----------------------|---|
| Holly (Griffin) | 1 |
| Time | 2 |

Time—2:28½.

RACE No. 43—SPECIAL PACING.

2:25 Class. Purse, \$500. Mile heats, best three in five.

| Name and Pedigree of Horse. | By Whom Entered. |
|--|--------------------------------|
| George N, g. g., by Dorsey's Nephew; dam, by Norfolk | Houser & Nicewonger, Stockton. |
| Silkey, s. m. | H. J. Agnew, Hillsdale. |
| Plunkett, br. g., by Stratham; dam, Fly, by Bulger. | R. S. Brown, Petaluma. |
| Geo. Wapple | T. C. Snider, Sacramento. |

SUMMARY.

| | | | | | |
|---------------------------------|---|------|---|---|---|
| George N (Houser and Goldsmith) | 2 | 1 | 3 | 1 | 1 |
| Silkey (Agnew) | 1 | 3 | 1 | 3 | 3 |
| Plunkett (Misner and McCarty) | 3 | 2 | 2 | 2 | 2 |
| Geo. Wapple (Sherman) | 4 | dis. | | | |

Time—2:26; 2:23½; 2:30; 2:24; 2:22½.

RACE No. 44—PACING.

Match race.

| Name and Pedigree of Horse. | By Whom Entered. |
|---|---------------------------|
| Solitaire, blk. m. | C. H. Gilman, Sacramento. |
| Eclectic, ch. h., by Jolly, by Admiral; dam, Belle. | Dr. Fay, Sacramento. |

SUMMARY.

| | | | | |
|--------------------|---|---|---|---|
| Eclectic (Keating) | 2 | 1 | 1 | 1 |
| Solitaire (Trefry) | 1 | 2 | 2 | 2 |

Time—2:36½; 2:30; 2:32; 2:32½.

OPENING ADDRESS

DELIVERED BEFORE THE STATE AGRICULTURAL SOCIETY, AT SACRAMENTO, ON THURSDAY EVENING, SEPTEMBER 10, 1891.

By HON. FREDERICK COX, President.

LADIES AND GENTLEMEN: The Directors have conferred on me the honor to extend to you a welcome to this, the thirty-eighth annual exposition of the State Agricultural Society. I have the fondness of an old settler in recalling the past and dwelling, with happy thoughts, upon the achievements of those who founded this State and opened up the avenues of prosperity which we all enjoy. I think it a valuable lesson to the young to occasionally recount what their fathers did. There is a spark of heroism in nearly every man's nature which obstacles and opposition serve often to fan into a flame. That flame glowed in the breasts of those who, thirty-seven years ago, laid broad and deep the foundation of this Society. At that time mining was the principal vocation of the early settlers, and the centers of the densest population of the State were on the flanks of the Sierra Nevada. That portion of our State whose products now challenge the admiration of the world, and now represent millions of dollars of value, was characterized contemptuously as the "cow-country."

Agriculture, much less horticulture, was an unknown quantity. The men who resisted the temptation to engage in mining, and thought of agriculture, were met by conditions of climate and soil-culture to which they were strangers. The burning sun of summer, the brassy skies which denied the grateful and reviving showers of the East, seemed as a forbidding spirit to guard the secrets of the earth. There was speculation and bravery in the man who turned the first furrow or planted the first tree.

What hope, what patience, what faith, he must have had! What an inspiring example to the young men of this State who are asking themselves what shall we do for a living! Go ask the hospitable hills, which have for centuries robbed the high Sierra of the richest soil, and treasured it for homes for intelligent and skillful labor; hills which are destined to be covered with fruits and vines, and afford the widest field for horticultural experimentation.

Young man, you were not born when the secret of California tillage was disclosed. Since your birth all the orchards and vineyards in the State have been planted, new fruits introduced, the adaptability of fruits to soil ascertained, and the proper mode of culture determined. The book of knowledge has been opened to you by your father and the paths of success trod by him. If you stand whimpering from fear, with the present aids to success, I say to you: "Go; leave the State. You only cumber the ground."

But I digress. Let us refer for a few moments to the beginning of this Society. In the Legislature of 1854 a bill was introduced incorpo-

rating the State Agricultural Society, and was referred to a committee. The Chairman, W. S. Letcher, reported the bill favorably, and said with wise prescience: "It is a bill, the provisions of which will act upon every interest, affect all classes of our citizens, and touch with electric power every branch of industry throughout the State." Referring to the necessity of encouraging agriculture, he urged the fact "that within the past year there has been imported into the State half a million barrels of flour." The bill was approved May 14, 1854. The Act appropriated \$4,000 a year, and provided "that the Board may hold four sections of land for the purpose of establishing a model farm, and for the exhibition of breeds of animals, the productions of agriculture, and of mechanical and domestic manufacture." The first fair was held on October 4, 1854, at San Francisco. The President was F. W. Macondry; Directors, E. L. Beard, J. K. Rose, D. W. C. Thompson, C. J. Hutchinson, J. W. Osborne; Corresponding Secretary, J. L. L. F. Warren; Secretary, C. V. Gilispie; Treasurer, David Chamberlain.

Most of these pioneer farmers have been garnered into the great storehouse above. The venerable Warren, one of the fathers of agriculture in this State, still survives to tell of his love for the farmer's life, and to enjoy the felicity of troops of friends who appreciate the value of his labor. Long may he live.

The Sacramento "Union" of that year merely gives a short notice of the fair. There were two tables on the side fifty feet long; one table in the center eighty feet long, and two small oval tables on the side for grains, and these held all the exhibits.

On September 24, 1855, the fair was held in the Assembly Chamber of the State Capitol. At a meeting of citizens a committee, of which Governor Bigler was Chairman, was appointed to welcome visitors. The Sacramento "Union" notes that a Durham bull had arrived from Sutter County. Attention was called to apple trees two years old from San José, two tables of vegetables, and a bucket of onions. To quote the reporter: "Among the pomological curiosities are two stems of Spanish Mission pears and peaches." "Two seedling peaches from P. L. Wimmer, of Coloma, were special objects of wonderment." "A great crowd was grouped about a little garden of strawberries." In an essay, published in the proceedings of the Society, General Hutchinson gave the expense of cultivating ten acres of wheat at \$264, and the yield, three hundred and fifty bushels, sold at 2½ cents per pound, making \$525, the net profit being \$261. He states, with apparent gratification, that two million bushels of various grains had been raised in the Sacramento Valley. For several years thereafter committees appointed by the Society traveled over the State inspecting the farms, reporting on the modes of culture and kind of crops, and encouraging the owners to plant fruit trees.

Mr. E. L. Beard, in a report in 1854, prophesies, like a seer, "that California, in a few years, will *actually* produce more olives, figs, raisins, oranges, lemons, prunes, and nuts, than the present import of these articles into the United States, amounting to \$3,000,000." The committee reports in 1859 that John Wolfskill had one thousand eight hundred trees, and six apricot trees which yielded two thousand pounds, which sold for 75 cents per pound. John Bidwell had one thousand two hundred trees.

In 1855 the value of land, excluding some of the mining counties which did not report the value of land, was \$13,288,596, and improve-

ments, \$6,897,269. In 1890 the assessed value of farming land is \$388,440,058, and of improvements, \$53,951,420.

In 1855 twenty-eight counties reported 330,112 trees. In 1890 there were reported by the Assessors 15,000,000 fruit trees and 180,000 acres of grapes. From General Chipman's report to the State Board of Trade, we learn that there was exported from this State in 1890, 255,495,011 pounds of deciduous fruit, green and dried; 68,419,320 pounds of citrus fruit, and 27,610,238 bushels of wheat, the total value of which, to the producer, was \$39,185,000. The work to accomplish this result has been executed within the past twenty years.

Nor has the Society confined itself to the interest of the farmer alone. It has devoted much of its efforts towards the encouragement of live stock breeding. The exhibition of fine stock at each fair has testified to the superior excellence of our climate for fine stock breeding. The prizes which have been offered by the Society have engaged an interest in the breeding of the horse which is excelled in no part of the Union. To-day California is recognized in the East as a region for the production of the finest and best types of all classes of horses. The trial on the turf is only an incident to the struggle for supremacy. The increased excellence of all classes of horses is the outgrowth of the enthusiasm engendered by the exhibition on the racecourse. Up to 1891 California produced of trotters the fastest yearling, the fastest two-year old, three-year and four-year old horses in the United States. Of the thorough-breds, Racine and Raveloe, for three-year olds, held the fastest records for one mile, and Salvator made the fastest time on record for one mile. The fastest two-year old records are held by four California horses. If price be the test of excellence, we may say that six California-bred horses sold for prices ranging from \$28,000 to \$55,000 each. I am indebted for these figures to a compilation by the "Breeder and Sportsman." And now Direct, in 2:06, breaks the world's record for both trotters and pacers.

Compare the exhibition of 1855 with this of 1891; compare the two million bushels of wheat with the thirty millions of to-day; view the two seedling peaches of Coloma, "special objects of wonderment," with the extensive and bewildering display of fruit in this Pavilion, and you will begin to have an adequate appreciation of the strides which California has made in material progress, and the position which rural industries occupy in the vocations of the State.

The State Agricultural Society takes a pardonable pride in having been one of the prime factors in the promotion of this great work. The annual fairs have been a stimulus to enterprise, have encouraged a generous rivalry between different sections of the State, suggested experiments, and fostered a pride among horticulturists of their vocation which the skill and intelligence, under our unique conditions so necessary for success, lift it almost into the domain of an art. Strike out the history of this Society, and you will eliminate one of the most brilliant pages from the records of this State; a page replete with evidences of untiring energy, of unselfish devotion on the part of the members to the interests of the State, of far-reaching purposes accomplished, and of personal sacrifices of time and money for the advancement of the cause of agriculture; a page which tells in glowing lines the progress of the State, and the transition from the pastoral period to the agricultural era, to the cultivation of the soil, in which men have always found the

most contentment, the highest happiness, and the widest field for a high civilization.

This State is destined to be the foremost State of the Union in the production of the fruits of the temperate and sub-tropical climes. All things conspire to favor such a result. Our winterless climate render possible operations that cannot be undertaken in any known part of the habitable globe. The instinct for the possession of land is strong in the breast of the Californian. We are distinctly a home-loving people. The large profits which have heretofore been realized from fruit growing have stimulated, in all classes of people, the desire to possess a home. The merchant, realizing the uncertainties of his business, and lamenting the long hours of absence from the bosom of his family, which success exacts, looks forward to the period of repose at his country home. The mechanic, in the dull and monotonous routine of his toil, in imagination hears the low of cattle and inhales the odor of the bursting apple bloom. The limitation of his trade forbids the hope that he shall ever be master of his own time, and he strains every nerve to hasten the day when the possession of a farm shall give him the "glorious privilege of being independent." It is one of the glories of this State that such hopes can be realized, that there is yet land for the landless, and that the future profits of horticulture are certainly assured.

There is danger, which I foresee, attending this enthusiasm. Accustomed as we have been to the congressional limitation of a farm of one hundred and sixty acres, it seems incredible that a less area is sufficient for the maintenance of a family when devoted to fruit culture. The desire to possess land and the ambition to engage in large enterprises forestalls the judgment and deadens the ear to the voice of prudence. I notice a tendency to enlarge the area of individual ownership of orchards and vineyards. The press gives currency to the report that such a man has the largest vineyard in the world, and another the largest orchard. This flatters the owner's vanity, but misleads the poorer man. I think it is acknowledged that forty acres of fruit is sufficient to engage the skill and industry of any man. From the proceeds he may maintain his family, educate his children, and even live in luxury. The man who is planting, or has planted his hundreds of acres of fruit, is not a horticulturist in the true meaning of the word. He is simply a gambler for quantity and not for quality, and so far as he sacrifices the highest excellence of product for tons of fruit, he is a detriment to the State. If California shall hold the place she now occupies in the market, it will be by the productions of the orchardist of a few acres.

The hope which the student of the future cherishes is, that the pursuit of horticulture may be the happy means of dotting the land with small holdings, which will be the seat of happy homes, whence shall proceed a generous brood of men and women reared amid the most congenial environments, perfect types of American manhood and womanhood, and fitted for every duty and performance of life. This hope will be frustrated if the tendency to large orchards is not resisted. I recognize the evil of too many large farms. There must be extensive holdings in this State for a long time to come on account of the necessities of stockmen and wheat farmers.

Under the present conditions neither of these can carry on his business successfully, except upon fields of many acres. Wheat farming will be prosecuted in this State for many, many years. There is now a

deficiency in the world's market of four hundred million bushels, and the promise is there will be a deficiency each year for many years to come. The large wheat farm cannot be cut up into small wheat farms. The men who are using large tracts of land have passed the best years of their lives in building up their business, and cannot at their time of life readjust themselves to new conditions. Hence, we can but wait for time to remedy the evil, if evil it is. But upon the threshold of the new era of fruit farming we can at least warn those who embark in it of the probability of loss from too extensive operations.

The need of the State is an intelligent population. Thousands upon thousands of acres of land upon sunburnt hills and dusty plains lie waiting for industrious hands to change them into fields of exuberant fertility. Population can only be attracted by the hope of establishing homes in a prosperous community. Mining and general farming and manufacturing may be profitable, but the destiny of California is to be the fruit-producing State of the Union. We must offer to the settler the assurance that he can maintain a home upon a limited tract of land. He perceives at once that that possibility insures friends, schools, churches, and all the concomitants of civilization. The large orchard and vineyard create conditions that repel immigration. I am opposed to the large orchard or the large vineyard—it prevents the settlement of the State, lessens the area and possibilities for homes, and lessens the net profit per acre, and in so far deprives the State of that much created wealth. Small farms will solve the labor question. The experience of this year, when the harvest was so abundant and fruit suddenly matured, shows that in neighborhoods where the orchards were small there was less inconvenience from scarcity of labor than in less densely settled sections. I have paid marked attention to the question of horticulture, and I have done so with an object which I hope the mothers and fathers and sons who hear me to-night perceive.

The fathers and mothers, sitting by the fireside, debate over the future callings of their sons. The question is of vital moment to them—aye, to the whole State. If the father is a farmer, he sees with sorrow the son leave the farm for the city. The boy's eyes are witched by the glitter and sparkle of city life. He will not listen to the voice of wisdom. His future is easily foretold. He sinks into the clerkship or learns the mere rudiments of a trade from which he never rises. It is sad that it is so, but nevertheless it is so. There are no trades to be learned to-day. The power of steam has changed the conditions of success from what they were fifty, thirty years ago, and the power of trades unions prevent the majority of our boys from learning trades. I look with deep concern upon the future of the coming generation of youth. There seems nothing offered but the dull, dreary labor of making brick without straw.

I honor labor, but I honor that labor most which is directed by intelligence, and that labor is most intelligent which is engaged in an occupation in which the mind can take hope for the future. Horticulture offers the field. There is no industrial vocation which engages or demands so much intelligence. The successful fruit grower has need of all learning. He needs be a student of nature, something of a chemist, an entomologist, and a merchant. His daily work teaches him a love of beauty and order. His toil is lightened by the smiles of his wife and the company of his children. He is his own master. No corporation bell tolls his coming or going. He has the sweet hope, aye, assurance,

that for him the tree shall grow, the bud shall blossom, the blossom expand to fruit, and that he shall have the fruition of his labor while the divine promise stands—that seed time and harvest shall never fail. What occupation offers to the young man a wider field for the display of his energy or the exercise of his intelligence with a greater certainty of success?

One more thought and I have done. I have but one purpose in this address, and that is to create in the minds of young men a purpose to engage in rural pursuits. The census shows that the population is increasing in the towns in greater ratio than in the country. This is a confessed evil. We must look for the cause and the remedy. Each must do his share towards shaping the destiny of the State, and if I have implanted in the breast of one man a resolve to plant a tree and vine on land which he shall own and call his home, I shall be amply repaid.

My friends, we live in a clime with which none can compare. Here neither the austerities of winter dwarf, nor torrid heats enervate. Here is possible the boldest expression of man's energy. Here, greater than crops of grain and fruit, will be the crop of men and women—the native sons and daughters, whose first lesson in patriotism is the conscious pride of being Californians. Let us strive, while we live, to make this State worthy of that pride. This State must fulfill her destiny as one State undivided, indivisible. As California was formed, so let her be. Her mountains, her climates, her rivers, and fruit prefigure the integrity of her territory. The eternal crests of the Sierra treasure the baptismal waters whose currents and fountains flow to regenerate the plains of north and south, the apple and the orange grow side by side, and two great sister rivers, born one in the extreme north and the other in the distant south, but issuing from the same mother mountain, flow toward each other, embrace and marry in the center of the State. There is no room for jealousy, no reason for division. May I not voice your sentiment to-night: "California, one and undivided. God bless her." Good night.

ANNUAL ADDRESS

DELIVERED BEFORE THE STATE AGRICULTURAL SOCIETY OF CALIFORNIA, AT SACRAMENTO, SEPTEMBER 18, 1891.

By HON. ARTHUR RODGERS, of San Francisco.

MR. PRESIDENT, DIRECTORS OF THE STATE BOARD OF AGRICULTURE, LADIES AND GENTLEMEN: A voyager sent out on the Pacific by Cortez discovered the California peninsula, and soon a Spanish story described the land as an "Island of California, very near the Terrestrial Paradise." Thus the name of our State was given in romance. And since then the discovery of this near-by land, its history, its revelation of resources, its settlement, conquest, and civil history, its unity and isolation, its dominant products discovered and developed successively by the herdsman, the miner, the lumberman, the agriculturist, have all been inspiring stages of political and industrial romance. And these eras of development have been chiefly crowded into the lifetime of this Society, and under the observation and struggles of many of its members seated in this hall to-night. For a few days past agriculture and the arts have displayed in this capital richer and more varied exhibits, gathered from the Klamath to the Colorado, than probably can be exhibited in any commonwealth of this continent. The epochal periods of a people's history are those of greatest and untrammelled effort and consequent expansion, and of boundless aspiration and confidence in the future. It is then that they are young, and in their aggressive vigor fear no failure.

Although the topics may be familiar, still there are some general considerations affecting the entire State agriculture which it seems well to recall occasionally. There are some conditions and lines of development which should be embraced in a wise plan of such agriculture. I therefore ask your attention to some of these distinctive features of soil and air, of moisture and temperature, and of trade.

First, let us recall the fact that nature isolated this land by the surrounding Sierras, the desert, and the ocean, and that for periods of time, marked only by the traditionary floods which first opened the Golden Gate and by the earthquakes which lifted the mountain seas and sunk the mountain vales, not a plow turned the earth of California in tillage. The hundreds of thousands of aborigines fed from the uncultivated seeds and fruits. The Latins came, and cattle ranged our broad valleys, so that when the American came the virgin soil was first disturbed from its primeval sleep.

It would seem reasonable to learn what we may of that soil in order to put it to its best cultivation and use. While some of the possibilities of some portions of the land are known, there is no systematic knowledge of it. If an agriculturist would best cultivate his farm, he must know the qualities and capacities of the soil of every garden, orchard, and field of the farm. So nature has spread out this whole State as one farm, whose entire survey wise agriculture seems to command. This soil has

been formed under peculiar conditions and in several geological ages. The soil of the Sierras, of the Coast Range, of the valleys, differs essentially, not only mechanically but also in composition. These soils are capable of classification and of mapping. Such an agricultural survey of the State is not only feasible, but when we consider its aid, not only in indicating what crops would grow best, but also what products to avoid in extended districts, it seems a necessity.

From the knowledge of the soil we naturally turn to the conditions of growth, the relative moisture and heat in the atmosphere, and the amount and regularity of the rainfall and of the winds to the climate and weather. The importance of a reliable climatic chart of California is only equal to that of a soil survey of the State. I know of no way to account for its neglect except the universal assumption of the "glorious climate of California." But it would be well to map out the different kinds and degrees of its "glory." The climates of this State are singularly uniform, and their classification not difficult. But here, as in all other lands and ages, the temporary changes in the weather chiefly excite the interest and the anxiety of the agriculturist. The inclination of the earth's axis, the changes of the moon, the habits of birds and insects, and other signs more or less remote, reasonable or absurd, are consulted to guess the weather. Our boasted progress in the sciences is idle, unless it can make more certain the guesses of a hundred generations of farmers. When we consider that moisture is borne from the sea by winds, and that winds shift with changing temperature, we see that weather must be dependent on the condition of the atmosphere, not only in California, but for considerable distances over the neighboring lands and the Pacific. As telegraphic notice of changes can reach a given point some time before the coming winds, its importance to the agriculturist is evident. The Federal Government maintains a signal service of this kind. It would be practical and not burdensome to extend the Government work to greater efficiency on this coast, and by coöperation of agriculturists to distribute promptly the weather indications to every community in this State.

Agriculture and nations, with one or two accountable exceptions, have faded away with their forests, and it would be profitable to trace their parallel decadence. But when we remember that storms wash away the naked hills into the plains, and winds dry up unwooded fountains and water supplies, and sweep the land with unobstructed fury, we begin to appreciate the necessity of mountain forests to the agriculturist. Californian mountains were enriched with forests vast and primeval, but their destruction and wanton waste as now permitted threaten early injury to Californian agriculture and climate. Before it shall be too late, before the Government shall have sold this crop of centuries, these forests should be withdrawn from sale, and, like the mountains and the streams, preserved and wisely managed in the interests of an entire people.

As the products of the agriculturist are grown for their respective markets, the profit, if any, is greatly dependent on the cost of their transportation to such markets. Our products must be transported by rail and sea to the markets of the Atlantic and Pacific to compete with like products of all other lands. It devolves on the agriculturists of California, then, to encourage all means of cheap carriage to such markets. Rival railroads and isthmian canals are suggestive themes of

agencies beyond the State. But within our border there is much work to be done in improving highways by water and by land. The Sacramento, San Joaquin, and other waterways should bear a vast riverside commerce, now scarcely dreamed of. Every foot deeper in the river's navigable channel means five miles or more of parallel tributary land. Some of these rivers can be diverted into navigable canals, and each canal becomes a new channel for expanding agriculture and commerce. The most dense population of the world is found on the canals spread over the plains from valley rivers, as in Belgium and Holland and northern China. In the direction of progress is the demand for broad and well maintained roadways. There should be a comprehensive system of such highways traversing every county in the State. The value of such highways would be inestimable at this time in stimulating agriculture in appropriated and in new lands.

When we glance at the varied climates and soils of California, and at our varied products already successfully grown, we begin to appreciate the necessity of learning and classifying improved methods and crops of agriculture. This knowledge may be gradually and expensively acquired by experience in our products already planted. But our soil and climate have resemblances to those of so many other lands besides those cultivated in our ancestral homes, that we are called upon here to cultivate strange crops, and by methods and under conditions unfamiliar. The experience of the Pennsylvania farmer or the Georgia horticulturist is inadequate to the California agriculturist. It is necessary to learn the culture of the apricot, the fig, the olive, the raisin, the orange of the Mediterranean, the prune and grape of France, the loquat of India, the mandarin of China, the apple of Massachusetts, the corn of Kansas, of all plants and all animals of consumption and use, growing, as they may, in California, from the mountain snow line down through temperate air and to the tropical plain a hundred feet below the sea. California is indeed a garden of the world, where Occident and Orient, all altitudes and all latitudes, mingle their chosen products in bewildering confusion. So the methods of agriculture must be chosen from the experience of all other lands, as well as those of our own State. It would seem the province of this Society to coöperate in learning and systematizing these methods from other lands, as far as applicable to our conditions.

Probably the most important general feature of agriculture suggested from the oldest lands where civilization has flourished is irrigation. The State has already done something towards a comprehensive system of irrigation, but there is danger of loss of its symmetrical and efficient development by struggling individual or local interests. There should be a State plan of irrigation, to which individual and community efforts should conform. We scarcely dream yet of the possibilities of irrigation. When we recall the arid, treeless plains of California, stretching to the sere mountain and the horizon, traversed only by the occasional vaquero and his meager herd, and then turn to the terraced vineyards of the slopes and the perennial orchards now blooming down the broad valleys wherever water has stirred the land of sleeping centuries, we begin to understand some of the benefits of irrigation.

The oldest city of the world is Damascus. It is set on the edge of the Arabian Desert. Twelve centuries ago Mohammed in sacred inspiration looked down upon its gardens and orchards from a distant mountain and

refused to enter that earthly paradise for fear his soul would yield up the heavenly elysium. To-day it still blooms with eternal vigor. All this Damascus vision of beauty and delight of weary centuries was, and is, due to the life-bearing current of the mountain stream vivifying the desert with its touch.

In the line of what has already been said, it is impossible to overlook the importance of experimental work in this land of agricultural discoveries and surprises. Such work is now done in the Agricultural College of the University of California. It is well and comprehensively done so far as possible by the University. Its efficiency will increase with increasing means. But the promises of the laboratory must be tested by the results in the orchard and field, and these results must be made known. Some means of full classification of yielded crops, as well as soil and climate in every section of the State, should be devised, and the results promptly made known. In this experimental work, in the attempts to cultivate new crops and new fruits, to improve the live stock, to devise new appliances and machines of agriculture, in efforts to meet the new conditions of Californian agriculture, our people have shown the adventurous and indomitable spirit of the past heroic decades of our State. It would take too long to recite the story of these pioneering agriculturists of California. And they will not be forgotten. At Rouen stands a statue erected in honor of the man who first introduced potatoes into France. In Japan a thousand temples bear the name of the man who first introduced rice.

While agriculture, properly speaking, does not embrace commerce, still it is practiced chiefly for the reward of its sales. It is of greatest importance, therefore, to know the markets of the world where the prices of our products are fixed in the struggle with those of other lands. These markets are not numerous, and it is not difficult to get the data of growth of such products elsewhere, as well as at home, gathered by government and commercial agencies. This is successfully done by individuals, and can be efficiently and economically and systematically done on behalf of our agriculturists.

These seem among the salient features of a comprehensive, permanent plan of the State's agriculture. Other general lines of development and protection of the agriculture of the State will readily occur to you.

I congratulate you as actors in the protection and expansion of the dormant resources of California. This land was given you untouched by use or tradition. American enterprise found the wealth of the pristine earth. A grand commonwealth, with all the best institutions and spirit of the occident world, is expanding here by the western sea. The traditionary age of the State is past, and we are participants in the period of discovery of first impetus—in its heroic age. It is an inspiring privilege to feel that we are shaping the destinies of a new people, of a mighty empire, of the home of all the agencies for material, mental, and moral welfare of mankind.

REPORT OF STATE CITRUS FAIR,

(NORTHERN DISTRICT),

HELD AT AUBURN, PLACER COUNTY, JANUARY 11-16, 1892.

NEWCASTLE, March 5, 1892.

To the State Board of Agriculture:

GENTLEMEN: Following is a report of the Third Annual Citrus Fair for that portion of the State known as the Northern Citrus District.

At a meeting of your honorable body held in Sacramento on November 30, 1891, appeared a committee from the Board of Trade of Placer County, making application that the location for holding the Northern Citrus Fair for 1892 be fixed at Auburn. The application was acted upon affirmatively, and January 11th was selected as the day for opening the fair. George W. Hancock was selected by your Board as its representative in the management, and the local Directors here take pleasure in testifying to the valuable aid and timely suggestions of Mr. Hancock and to his unceasing efforts to insure success in the undertaking. William B. Gester, of Newcastle, was selected to superintend and manage the fair, with an advisory committee consisting of Messrs. Fred C. Miles, of Penryn, W. D. Gardner, of Auburn, and D. W. Lubeck, of Auburn. Special pains were taken to interest every county in the district for which the State appropriation was made. Advertisements were placed in thirty-five newspapers throughout Northern California. Each of these newspapers gave valuable notices of the fair in its local columns, which valuable service is here thankfully recognized.

The Opera House and Pavilion in the city of Auburn were leased by the management, and the work of fitting up the space for exhibit purposes was begun about the middle of December.

OPENING ADDRESS.

The opening night was greeted by a large number of Auburn's citizens and many from other sections. The fair was opened by the introduction of Mr. George W. Hancock, one of the Directors of the State Agricultural Society, who made some pointed and appropriate remarks. The inaugural or opening address was delivered by Mr. Charles Evans, of Colfax. It was an effort well worthy of repetition, hence we give it in full:

MR. PRESIDENT, LADIES AND GENTLEMEN: Prompted by kindly feelings, the management of the State Citrus Fair for the Northern District of California have invited me to deliver the opening address on this occasion. First, let me say, that considering the limited time in which the General Manager, Mr. Gester, has had to work in organizing and bringing together in harmonious action all the coordinate branches grouped here together, as you see them to-night, reflects great credit on his indomitable energy, no less than on his executive ability. It goes, however, without saying that but for the support given by the public-spirited citizens of Auburn, and the equally spirited, though not so public, support of the ladies of this widely known summer resort, it would have been impossible, even for one of Mr. Gester's ability, to have met with such marked

success. Here to-night, amidst this profuse display of products, so beautiful and attractive, I find so much of interest, about which to speak it will be difficult, without trespassing on your patience, to do even partial justice to the subject.

The State Northern Citrus Fair is evidently a grand success. I congratulate the many contributors who, by their efforts, have added to this result. Were there ever finer or more tempting fruits in any exhibition than these which are before you? The orange display is especially attractive, and the massing of such an enormous quantity of them is no less a surprise than it is a pleasure to look upon. It is wonderful that this management, in such an inclement month, could have gathered so large a variety of oranges. Your committee, no doubt, will by their decision be able to advise you which are good, better, best. To my eyes there seems to be no grade among them. All are best. There are grouped here some thirty-six varieties of oranges, budded and seedling, representing as fine and valuable a collection as are grown anywhere. Surely the exhibitors from the northern district of the State may well be proud of their display.

From the most reliable sources at my command, I learn that the cost of an orange orchard, even estimating the land to cost as high as \$100 per acre, clearing and cost of trees, \$95 per acre; planting and irrigating, \$25, and cultivating for five years, with irrigation, \$150 per acre, making a total cost of \$370 per acre. Some oranges it will be safe to let ripen in the fourth year. A fair estimate, however, will be the yield for the fifth year, which is between \$800 and \$500 per acre. This is allowing for the land a cost of \$100 per acre. However, as good land as any in the State within the orange belt, here in the northern district, can be purchased at \$50 per acre. These are very conservative figures. After the fifth year the cost of cultivating and irrigating may be done at \$25 per acre, while the yield increases until the trees are sixteen years old.

In the display of lemons there are some six varieties; such large, highly colored, and well-rounded fruit should bring the highest price in any market.

Now, as to the olive. This is the fruit par excellence of the terrestrial zone—a fruit we first heard of from the biblical writers, who refer to it in high appreciation. Probably there is no tree about which so much has been written as the olive tree—roots, bark, trunk, wood, leaves, blossoms, fruit, and the oil made therefrom. Once almost an object of worship in Judea, really so, it is said, in Egypt, where it was regarded as an especial gift from the Goddess Minerva. Highly prized was tree, fruit, and oil in Spain, Turkey, ancient Rome, in Syria, Corea, Turkestan, Portugal, Asia Minor, Africa, South America, on the shores of the Caspian Sea, Grecian Archipelago, and elsewhere. Here, in California, in a mild climate, rich soil, and thorough cultivation, it yields its fruit, and the oil made from it, for your pleasure and profit. Surely neither David nor Solomon in their time saw finer fruit or tasted purer oil.

There is, east of the Sierras and Rockies, a lack of confidence in the purity of California olive oil, wines, and brandies among quite a large class of consumers. I have traveled in the country between the Missouri River and the eastern boundaries of Maine, and in all the Southern States, many times, and quite recently, and have repeatedly heard the statement that it is not possible now to obtain pure olive oil, or unadulterated domestic wine or brandy. While it was conceded that olives were grown in California good enough for pickles, not enough oil could be extracted from them to pay the cost. That the wines and brandies were manufactured by inexperienced men; they had no bouquet; that the former within a year developed milk acid, a poison injurious to the stomach.

Knowing nothing of the subject, I was sufficiently influenced by the statements to prevent my using these California products. During my first visit here I was so well assured of the fallacy of these statements that I did what one alone could do to contradict them. You are well aware what influence your retail grocer has over his customers, when he says to you quietly, as they often do in the East and West: "The only salad oil we have is the Italian. We keep none of the cheaper oils, neither those of Germany nor of California, and our wines and brandies are the best imported; we take them out of the Custom-house ourselves; we keep none of the domestic sort, it is too unreliable; we know it would not suit you."

Now, of course, this does not convince every one, but you can imagine its effect. I do not mean to be understood as implying that this, or similar statements are made by the retail grocer or liquor dealer in all cases, but I do know that in a great many instances similar statements are made to the consumer, and what is more, the retailer believes in a majority of cases what he states. He purchases his stock from the wholesale merchant and gets these statements from him. The wholesaler's business has been running along for many years in the ruts worn by his predecessor, from which it is not always easy to move him. In the large commercial centers, you must bear in mind, the merchants are engaged almost every minute of the day, and you know that where credit is once established and goods give satisfaction, there is but little disposition to make changes.

I tried last spring, while in New York, to interest some of our largest retail houses in the vintage of a California winery. In four cases out of five I was met with: "Oh, we don't handle California wine." In one house, through a personal friend, they did examine the samples.

Try among the larger hotels in the East to sell California wine, brandy, or olive oil, and one is met with the reply: "We don't handle California goods. Nothing but imported goods suit our customers."

Among wholesale merchants in New York and in Boston, there were but two who would examine the samples.

I see by the published report of the Viticultural Commission, that Miss Kate Field had been sent through the country east of the Missouri River, to lecture on the purity

and excellence of California wines, brandies, and oils. This was a move in the right direction. We should all unite in putting through the Legislature a bill granting larger appropriations to the State Commissioners, that they may be able to place in that field six lecturers instead of one. This course would largely increase the sale of California products, and at enhanced prices. If in the commercial centers east of the Missouri River, agencies were established for the introduction and sale of California products, it would produce large demands for our fruits, oils, wines, and brandies.

But I was to speak to you of the articles here on exhibition. What is the use of my doing so? Here they are before you.

Oranges, lemons, Japanese persimmons, olives, dates, apricots, plums, prunes, peaches, pears (the royal pears of California), raisins, and figs. They speak for themselves far better and more eloquently than I could. Examine them; they are here for that purpose, and while doing so remember that this is really a young industry. The trees and vines on which they grew are yet in the preparatory school of trees and vines. But a very small percentage are ten years of age.

The desire to acquire riches is planted in nearly all minds. But great riches come to a very small portion of humanity. The exact proportion is way down in decimal fractions. Few can become Vanderbilts, Goulds, or Rothschilds. All that the great majority can hope to acquire is a modest competence—even that, after years of close application, is acquired by comparatively few. But here in California I see opportunity after opportunity, in the culture of fruits, for one million families to obtain this competence for life, after say five or six years of intelligent labor. This would sound extravagant to Eastern or Southern people, but to Californians who know by experience what can be done with even ten acres of land here, the apparent extravagance of my suggestion disappears.

What opportunities for young men and women—yes, for women, too—who are willing to put in five or six years of work, are to be found here, and even while trees and vines are growing, the family may be sustained by the sale of small fruits and vegetables. Rest assured there is nothing that men and women can do on small capital, and in so short a period of time, that will produce for them a permanent income as will the culture of fruits on the soil in this section of the State.

Here are some examples: Six years ago a woman bought ten acres of Placer County land. Expense of land, clearing, fencing, planting three acres in strawberries and raspberries, and five and one half acres in prunes, was \$1,200. Expense of living and care of and cultivation for six years was \$3,850, making the outlay for six years \$4,550. The second year her sales of berries amounted to \$712, third year \$1,080, fourth year \$1,278, fifth year (the year the prune trees bear fruit) \$2,112, and this, the sixth year, \$2,927—a total income of \$8,109, or a profit of \$3,559.

I find the following instance in the report of your Agricultural Society, of the experience of a capitalist, Mr. R. D. Stephens, of Russell Post Office. He bought fifty-eight acres of land; planted eighteen acres in grapes, forty acres in pears, prunes, and plums. His crop in 1890 brought him \$48,000. This was evidently an intelligent and plucky farmer. He spent some \$10,000 in irrigation, in order that every plant should have all the nourishment it needed. But see what an income he derives above this large expense. Here is another case, the Hon. J. Routier, of Routier Station, Sacramento County, says that on ten acres of land—fenced, plowed, and planted in prunes, including care and cultivation for five years, and which cost \$1,475—the yield for the fourth year was ten pounds to each tree, fifth year sixty pounds, sixth year one hundred and twenty to two hundred pounds, ever after two hundred to three hundred pounds to each tree, thus making in the sixth year each tree yield net at least \$5.

I might go on giving instances of grape culture, of pears, peaches, apricots, cherries, and figs, and take up the whole evening's time in so doing. Suffice it to say, conservatively speaking, any one coming here and taking up ten or twenty acres of land, giving it intelligent cultivation for five years, may be assured of a permanent income not less per acre than the figures above given. But this means work, careful and close application. The State is flooded with instances similar to those given, the majority of them showing larger results than my figures. Is it not strange that a large immigration is not pouring into the heart of the State? Can it be possible that these facts are not known? Surely, if they were, from Kansas, Missouri, the Southern States, Indiana, Illinois, Ohio, and all of the New England States there would be coming an immense number of men and women. The lands are here, and the climate and opportunities abound in all this northern portion of the State. Near Colfax, where I reside, there are thousands upon thousands of acres of rich land on which this result may be obtained, and no doubt what is true of lands near Colfax is as true throughout the entire northern part of the State.

Gentlemen, what can be done to get these facts before the people of the distant States? I doubt not this has already attracted your attention. "What man feels intensely, he struggles to produce, that he may visibly see before him his ideal." Let us make this work our ideal, to place before the people east of us these simple facts about the opportunities here for the profitable investment of money and labor. It would not need much argument to interest hundreds and thousands of people were they here to-night and could witness this exhibition. It has often been said that "every object is a window, through which we may look into infinitude itself." May we not get into harmony with this sentiment looking at these fruits and flowers? Carlisle says it is a serious matter to be alive, but I am grateful that I am alive and here to-night.

To many people nature has no name, no meaning. Among the fruits and flowers here on exhibition I find a meaning, one which I think will lift the mind above sordid thoughts and feelings, one which has a tendency to ennoble and purify, to give that

courage of which energy is born; which lightens burdens, so that if stumble we must, we fall up hill, and realize that even in stumbling and falling there is often a special providence. An enthusiastic friend of mine said to me, you can grow any tree in California.

Sebastian Munster, in his great work on cosmography, tells us that in Scotland there are trees which produce fruit enveloped in leaves, growing on the margins of streams, and when the fruit drops into the water, at suitable times, it turns into a live bird and flies away. I doubt if such trees can be grown in or around Colfax; you gentlemen must decide for yourselves whether you can propagate such trees profitably in the locality where you live.

I wish to say one word in reference to the Board of Trade of Placer County, under whose auspices this fair was inaugurated. The gentlemen composing that association are surely public-spirited citizens, giving their time and energy, and often their money, to just such work as this, frequently neglecting interests of great value to themselves in planning and working for the development of the resources of the county, with no other reward than seeing the development of the communities in which they reside. Great as may be the results of this exhibition, they might have been greater and more beneficial if the State Commissioners had considered the time necessary in which to do this work successfully. There should be at least sixty working days given to any community so large and with such varied interests as this northern district contains. Let us hope in the future the State Commissioners will take this into consideration and allow at least sixty working days for the organization instead of the thirty days we have had.

The attendance at the fair was increased each day from Monday until Friday, which was the great day of the week. The announcement of awards was made on Friday evening by Director Hancock.

Very able and eloquent addresses were delivered on Friday evening by Mr. D. D. Bowman, of Nevada County, and by the Hon. Thos. Fraser, of El Dorado County.

The attendance on Saturday was but little less than that of Friday. In the evening the principal address, a masterpiece of diction, a most forcible example of eloquence, was delivered by Henry E. Highton, of San Francisco. Short addresses followed by Gen. Jo Hamilton, of Auburn, Hon. Wm. D. English and Hon. Thos. J. Clunie, of San Francisco. Gen. John Bidwell, of Chico, also delivered an address full of interesting reminiscences.

COUNTIES REPRESENTED AT THE FAIR.

Ten counties were represented by exhibits at the fair: Placer, Yolo, Butte, Sacramento, Sutter, Yuba, Sonoma, El Dorado, Alpine, and Tehama.

Placer County, with her big wall of oranges and "gateway," presented an exhibition of fruit the like of which we have never seen excelled in the State. It was not only immense in size and proportions, but was composed of the choicest fruit that can be grown anywhere. People who have been skeptics for years past on the subject of orange culture in Northern California, by this time must have their skepticism wiped out. There was in this exhibit alone about sixty thousand oranges, besides fruits of many other varieties. Placer County was awarded the premium for the best county exhibit, and there has not been a dissenting word from any of the competitors to our knowledge. Hence it is but just to say, the verdict of the awarding committee was a just and merited one.

Yolo County was amply represented by an imitation "box car," artistically decorated on the sides with the letters, "Winters on Wheels," and under the conductorship of C. F. Wyer, of Winters. Too much praise cannot be given Mr. Wyer, and we presume the press of Winters will do him justice, as it will be seen, by reference to the premium list which follows, he carried home several of the premiums

in a round sum of cash. There was also in the Yolo County exhibit some of the best exhibits of cured fruits that it has ever been our pleasure to look upon, from the ranches of L. G. Stone and D. A. Jackson, of Woodland. These gentlemen were present with their fruits and we know have added many dollars to the worth of Yolo County by their efforts to impress people with the virtue of her soil.

Butte County, represented by a beautiful structure known throughout the week as "Thermalito on Deck," did herself many honors, and the personnel accompanying the excellent display could not have been improved upon. J. A. Cleveland was the captain, ably assisted by Mr. and Mrs. W. A. Rogers and Mrs. Emma D. Pierson, all of Thermalito. Their exhibit was of great variety, and a perusal of the premium list will show was of excellent character.

Sacramento County, in the hands of T. W. Madeley, was exhibited, in a plain, artistic manner, in the construction of a portico with three pillars, four arches, and roof, all composed of oranges, requiring about ten thousand of the golden globes to complete the structure. Sacramento showed everything that grows in the soil, or from it, and while not so successful in carrying away premiums, made an exhibit of which her citizens can well feel proud.

Sutter County was in charge of L. A. Walton, who was part of the week assisted by B. G. Stabler and C. E. Littlejohn, of Marysville and Yuba City. Their exhibit included, as did all of them, everything under the sun, and was very attractive in the shape of cornucopia, or "Horn of Plenty." The names of numerous Sutter County people in the premium list shows the estimation in which their fruit was held by the judges, which was universally concurred in.

Yuba County was fortunate in allowing the responsibility of her display to rest on the shoulders of James K. O'Brien, of Smartsville, one of her most enterprising young men, whose name, ere the week of the fair had half sped away, was a favored by-word with all the attachés. The exhibition of Yuba County was equal in variety to any, but was not so large as many others; was not so artistic, nor was it in the best location of the hall, but for some reason it got there all the same. James was ever at his post of duty, and when he was there the crowd never hurried by. The Committee on Awards did well by Yuba County, and speaking from an impartial standpoint, it presented a fine display of the products of her soil.

Sonoma County was fortunate to have among her citizens a woman brave enough and with sufficient energy and enterprise in her heart to pack up the products of her farm and present them to the critical eye of the visiting public. In the person of Mrs. F. Purrington, Sonoma County has a jewel. Mrs. Purrington's exhibit contained as great a variety as any of the displays, almost, but of course was more limited in quantity. She entered for the best county exhibit, for the best general display of dried fruits, the best general display of nuts—eight varieties, best general display of apples, pears, prunes, olive oil, seedling oranges, persimmons, etc. This entire exhibit came from her husband's farm, and yet Mrs. Purrington informed us that fruit raising was not their business; they raised hops. Too much credit cannot be given Mrs. Purrington, and too little cannot be said of the enterprise of Sonoma County's citizens. Some day they will wake up from the lethargy they now seem

to enjoy and find that Sonoma's sister counties are so far ahead of her that she will have to scramble and call for help.

El Dorado County made no pretensions in the way of a citrus exhibit, but carried off the "coveted" on several other varieties. Hon. Thomas Fraser, of Placerville, did the talking, however, for that county, and made up in words what they lacked in reality. El Dorado is a Simese twin sister to Placer, with nothing but a county line between them, and it is well known that citrus culture will soon be an attractive feature of that county also. Already the deciduous fruits are grown there extensively and profitably.

Alpine and Tehama Counties, heretofore thought to be "entirely above the citrus belt," had fine displays, although not large ones, of oranges, lemons, and apples. In fact, the extent of the citrus belt on the Pacific Coast is not known, because it has not been demonstrated that citrus fruits will not grow anywhere on the coast south of Oregon.

LIST OF EXHIBITS, WITH PREMIUMS AWARDED.

Following is the entire list of entries, showing the premiums as they were awarded:

CLASS I—COUNTY EXHIBITS.

Placer County, by Placer County Board of Trade; first premium, \$250.
Butte County, by J. A. Cleveland, Thermalito, Butte County; second premium, \$150.
Yuba County, by James K. O'Brien, Smartsville, Yuba County; third premium, \$100.
Yolo County, by C. F. Wyer, Winters, Yolo County; fourth premium, \$50.
Sutter County, by L. A. Walton, Yuba City, Sutter County.
Sonoma County, by Mrs. F. Purrington, Santa Rosa, Sonoma County.
Sacramento County, by T. W. Madeley, Sacramento.

CLASS II—BUDDED ORANGES.

Robert Hector, Monte Rio, Placer County; first premium, \$200.
Peter Norburg, Penryn, Placer County; second premium, \$100.
Oroville Citrus Association, Thermalito, Butte County, twenty-two varieties; third premium, \$75.
J. K. Correa, Jr., Newcastle, Placer County, three varieties; fourth premium, \$50.
Auburn Orange Company, Auburn; fifth premium, \$25.
Mrs. A. F. Jones, Oroville, Butte County, nine varieties; J. May, Auburn, Placer County.

CLASS III—BUDDED ORANGES, TWELVE IN NUMBER.

Oroville Citrus Association, Thermalito, Butte County; first premium, \$10.
J. R. Wolfskill, Winters, Yolo County; second premium, \$9.
Mrs. Dr. Benjamin, Oroville, Butte County; third premium, \$8.
Mr. J. H. Lewis, Monte Rio, Placer County; fourth premium, \$7.
Mrs. A. F. Jones, Oroville, Butte County; fifth premium, \$6.
Robert Hector, Monte Rio, Placer County, four varieties; sixth premium, \$5; tenth premium, \$1.
W. A. Rogers, Thermalito, Butte County; seventh premium, \$4.
H. E. Parker, Penryn, Placer County; eighth premium, \$3.
J. K. Correa, Jr., Newcastle, Placer County; ninth premium, \$2.
B. Griffin, Winters, Yolo County; H. Seaman, Winters, Yolo County; Mrs. G. L. Simonson, Sacramento; Albert Leonard, Sacramento, two varieties; John F. Fisher, Red Bluff, Tehama County; Peter Norburg, Penryn, Placer County, two varieties; William Barter, Penryn, Placer County; J. May, Auburn, four varieties.

CLASS IV—SEEDLING ORANGES.

Owen R. Owens, Penryn, Placer County; first premium, \$100.
James K. O'Brien, Smartsville, Yuba County; second premium, \$75.
William Barter, Penryn, Placer County; third premium, \$50.
George T. Rich, Sacramento; fourth premium, \$25.
Mrs. A. F. Jones, Oroville, Butte County; Mrs. Benjamin, Oroville, Butte County; J. K. Correa, Jr., Newcastle, Placer County; Mrs. Van Arsdale, Yuba City, Sutter County; William K. O'Brien, Smartsville, Yuba County; George E. Duden, Sacramento; James Rutter, Florin, Sacramento County; B. Ruhl, Sacramento; Mr. Snell, Sacramento; E. R. Tiel, Sacramento; Peter Bohl, Sacramento; Mrs. Seadler, Sacramento; Mrs. M. E. Woolsey, Sacramento; H. J. Kilgariff, Sacramento; Mrs. Charles McCreary, Sacramento.

CLASS V—SEEDLING ORANGES, TWELVE IN NUMBER.

James K. O'Brien, Smartsville, Yuba County; first premium, \$10.
 George Jeffery, Smartsville; second premium, \$9.
 William K. O'Brien, Smartsville; third premium, \$8.
 S. A. Griggs, Red Bluff, Tehama County; fourth premium, \$7.
 H. E. Parker, Penryn, Placer County; fifth premium, \$6.
 William Foster, Lincoln, Placer County; sixth premium, \$5.
 R. G. Currier, Folsom, Sacramento County; seventh premium, \$4.
 Owen R. Owens, Penryn, Placer County; eighth premium, \$3.
 J. K. Correa, Jr., Newcastle, Placer County; ninth premium, \$2.
 Mrs. Van Arsdale, Yuba City, Sutter County; tenth premium, \$1.
 J. M. Pleasants, Winters, Yolo County; J. T. Jones & Son, Ophir, Placer County;
 Thomas Conlin, Smartsville, Yuba County; F. D. Congdon, Smartsville; Thomas New-
 bert, Smartsville; William B. Vineyard, Smartsville; George T. Rich, Sacramento; Mrs.
 Purrington, Santa Rosa, Sonoma County; Mrs. Fedler, Sacramento; Paul Stoll, Red
 Bluff, Tehama County; George Vestal, Red Bluff; W. H. Halley, Red Bluff; G. G. Kim-
 ball, Red Bluff; H. W. Brown, Red Bluff; A. Cohen, Red Bluff; Professor Graves,
 Red Bluff; P. S. Lawson, Sacramento; Ben Hawkins, Ophir, Placer County; S. May,
 Auburn.

CLASS VI—TWO BOXES STANDARD BUDDED ORANGES PACKED FOR MARKET.

Oroville Citrus Association, Thermalito, Butte County; first premium, \$15.
 J. K. Correa, Jr., Newcastle, Placer County; second premium, \$10.
 H. Sweasey, Penryn, Placer County, two varieties; Peter Norburg, Penryn, Placer
 County, two varieties; Hon. A. P. Hall, Penryn, Placer County.

CLASS VII—TWO BOXES SEEDLING ORANGES PACKED FOR MARKET.

James K. O'Brien, Smartsville, Yuba County; first premium, \$15.
 J. K. Correa, Jr., Newcastle, Placer County; second premium, \$10.
 Oroville Citrus Association, Thermalito, Butte County; J. T. Jones & Son, Ophir,
 Placer County; William Barter, Penryn, Placer County; Ben Hawkins, Ophir, Placer
 County.

CLASS VIII—LEMONS.

H. Seaman, Winters, Yolo County; first premium, \$50.
 Auburn Orange Company, Auburn; second premium, \$30.
 J. A. Cleveland, Thermalito, Butte County; third premium, \$20.
 George T. Rich, Sacramento; fourth premium, \$10.
 Mrs. F. Purrington, Santa Rosa, Sonoma County, three varieties; James Rutter, Florin,
 Sacramento County; Mrs. William M. Lyon, Sacramento; Mrs. Mary E. Woolsey, Sacra-
 mento; Frank Swift, Sacramento; Mrs. George Weizel, Sacramento; Mrs. Fedler, Sacra-
 mento; M. Ward, Red Bluff, Tehama County; G. G. Kimball, Red Bluff, Tehama
 County; Mrs. J. H. Lewis, Monte Rio, Placer County.

CLASS IX—SHADDOCKS AND POMALORS.

C. F. Lewis, Monte Rio, Placer County; first premium, \$5.
 D. W. Lubeck, Auburn; second premium, \$3.
 James Rutter, Florin, Sacramento County; third premium, \$2.
 J. R. Wolfskill, Winters, Yolo County; Joe Gardelli, Oroville, Butte County; J. W.
 Smyth, Newcastle, Placer County.

CLASS X—OLIVES.

Mrs. Emily Roberson, Auburn, Placer County; first premium, \$25.
 Miss N. L. Dunlap, Sacramento; second premium, \$15.
 Thermalito Olive Oil Association, Thermalito, Butte County; third premium, \$10.
 Mrs. Pratt, Sacramento; F. Closs, Auburn.

CLASS XI—PICKLED OLIVES.

Mrs. Emily Roberson, Auburn; first premium, \$20.
 F. Closs, Auburn; second premium, \$10.

CLASS XII—OLIVE OIL.

Mrs. Emily Roberson, Auburn; first premium, \$50.
 J. R. Wolfskill, Winters, Yolo County; second premium, \$25.
 F. Closs, Auburn; third premium, \$15.
 George Cooley, Marysville, Yuba County; fourth premium, \$10.
 Thermalito Olive Oil Association, Thermalito, Butte County; George F. Hooper,
 Santa Rosa, Sonoma County.

CLASS XIII—PERSIMMONS.

William B. Gester, Monte Rio, Placer County; first premium, \$5.
 Martin Pelster, Auburn; second premium, \$3.

A. C. Keeler, Auburn; third premium, \$2.
 Mrs. F. Purrington, Santa Rosa, Sonoma County; Mrs. Wichman, Placerville, El Dorado County.

CLASS XIV—POMEGRANATES.

J. T. Jones & Son, Ophir, Placer County; first premium, \$5.
 H. B. Gaylord, Auburn; second premium, \$3.
 G. S. Betterly, Ophir, Placer County; third premium, \$2.

CLASS XV—RAISINS.

L. H. Carey, Lincoln, Placer County; first premium, \$100.
 B. G. Stabler, Yuba City, Sutter County; second premium, \$75.
 L. G. Stone, Woodland, Yolo County; third premium, \$50.
 C. F. Wyer, Winters, Yolo County; fourth premium, \$25.
 William Foster, Lincoln, Placer County; D. A. Jackson, Woodland, Yolo County;
 E. B. Beecher, Auburn; Mrs. F. Purrington, Santa Rosa, Sonoma County; George H. Kerr, Elk Grove, Sacramento County; Thomas O. Hardie, Placerville, El Dorado County.

CLASS XVI—DISPLAY OF DRIED PRUNES.

R. C. Kells, Yuba City, Sutter County; first premium, \$40.
 Mrs. F. Purrington, Santa Rosa, Sonoma County; second premium, \$25.
 D. A. Jackson, Woodland, Yolo County; third premium, \$10.
 Dr. H. H. Pillsbury, Auburn.

CLASS XVII—DRIED PRUNES.

Young Brothers, Auburn; first premium, \$10.
 S. F. Woodworth, Clipper Gap, Placer County; second premium, \$5.
 William Foster, Lincoln, Placer County; L. G. Stone, Woodland, Yolo County; D. A. Jackson, Woodland, Yolo County; Dr. H. H. Pillsbury, Auburn; R. C. Kells, Yuba City, Sutter County; Frances & Lavalée, Ophir, Placer County; C. M. DeLamater, Newcastle, Placer County; Mrs. F. Purrington, Santa Rosa, Sonoma County.

CLASS XVIII—FIGS.

Sherman Brothers, Monte Rio, Placer County; first premium, \$25.
 William Foster, Lincoln, Placer County; second premium, \$20.
 L. A. Walton, Yuba City, Sutter County; third premium, \$15.
 H. E. Parker, Penryn, Placer County; fourth premium, \$10.
 Briggs Brothers, Winters, Yolo County; L. G. Stone, Woodland, Yolo County; H. C. Bell, Oroville, Butte County; E. B. Beecher, Auburn; Dr. H. H. Pillsbury, Auburn; C. M. DeLamater, Newcastle, Placer County; Mrs. J. H. Lewis, Monte Rio, Placer County.

CLASS XIX—GENERAL EXHIBIT OF DRIED FRUITS.

H. P. Stabler, Yuba City, Sutter County; first premium, \$50.
 Sherman Brothers, Monte Rio, Placer County; second premium, \$30.
 C. F. Wyer, Winters, Yolo County; third premium, \$20.
 William Foster, Lincoln, Placer County; L. G. Stone, Woodland, Yolo County; D. A. Jackson, Woodland, Yolo County; H. B. Gaylord, Auburn; E. B. Beecher, Auburn; Dr. H. H. Pillsbury, Auburn; Mrs. F. Purrington, Santa Rosa, Sonoma County.

CLASS XX—PRESERVED AND CANNED FRUITS BY OTHER THAN PACKERS.

Mrs. W. B. Lardner, Auburn; first premium, \$15.
 Mrs. J. A. DeBilbiss, Winters, Yolo County; second premium, \$10.
 E. B. Beecher, Auburn; third premium, \$5.
 Mrs. W. A. Rogers, Thermalito, Butte County; C. E. Littlejohn, Yuba City, Sutter County; Mrs. Martin Pelster, Auburn; Mrs. T. B. Gibson, Auburn.

CLASS XXI—BEST GENERAL EXHIBIT OF NUTS.

J. R. Wolfskill, Winters, Yolo County; first premium, \$25.
 Mrs. F. Purrington, Santa Rosa, Sonoma County; second premium, \$15.
 Thomas Fraser, Placerville, El Dorado County; third premium, \$10.
 L. G. Stone, Woodland, Yolo County; H. B. Gaylord, Auburn; B. G. Stabler, Yuba City, Sutter County; F. M. Varden, Auburn; George H. Kerr, Elk Grove, Sacramento County; Mrs. R. C. Watson, Sacramento.

CLASS XXII—NURSERY STOCK.

A. F. Boardman & Co., Auburn; first premium, \$25.
 W. R. Strong & Co., Sacramento; second premium, \$10.

CLASS XXIII—APPLES.

Towle Brothers Company, Towle, Placer County; first premium, \$25.
 H. A. Frost, Dutch Flat, Placer County; second premium, \$20.
 Mrs. F. A. Towle, Towle, Placer County; third premium, \$15.

Mrs. J. H. Lewis, Monte Rio, Placer County; fourth premium, \$10.
 H. B. Gaylord, Auburn; Young Brothers, Auburn; John Beamer, Dutch Flat, Placer County; Chris. Runkle, Dutch Flat, Placer County; J. W. Graves, Camptonville, Yuba County; A. C. Keeler, Auburn; George W. Applegate, Applegate, Placer County; W. B. Ragsdale, Clipper Gap, Placer County; Mrs. F. Purrington, Santa Rosa, Sonoma County; B. S. Crocker & Son, Placerville, El Dorado County; Judge N. D. Arnot, Markleeville, Alpine County; F. Veercamp, Granite Hill, El Dorado County; Robert McKay, Coloma, El Dorado County; Thomas Fraser, Placerville, El Dorado County.

CLASS XXIV—PEARS.

Thomas Fraser, Placerville, El Dorado County; first premium, \$10.
 Judge D. W. Spear, Auburn; second premium, \$5.
 Mrs. F. Purrington, Santa Rosa, Sonoma County; third premium, \$3.
 C. M. DeLamater, Newcastle, Placer County; fourth premium, \$2.
 J. W. Graves, Camptonville, Yuba County.

CLASS XXV—MOST ARTISTIC EXHIBIT.

Sutter County, by L. A. Walton, Yuba City, Sutter County; first premium, \$50.
 Yolo County, by C. F. Wyer, Winters, Yolo County.
 Butte County, by J. A. Cleveland, Thermalito, Butte County.
 Dr. H. H. Pillsbury, Auburn.
 Owen R. Owens, Penryn, Placer County.
 James K. O'Brien, Smartsville, Yuba County.
 Sacramento County, by T. W. Madeley, Sacramento.
 H. E. Parker, Penryn, Placer County.
 Placer County, by Placer County Board of Trade.
 F. Birdsall, Auburn.
 J. K. Correa, Jr., Newcastle, Placer County.

CLASS XXVI—WORTHY OF SPECIAL MENTION.

Dates, by J. R. Wolfskill, Winters, Yolo County.
 Bananas, by J. R. Preston, Oroville, Butte County.
 Citrons, by Mr. Reed, Ophir, Placer County.
 China dates, by J. W. Smyth, Monte Rio, Placer County.
 Cotton, by the same exhibitor.
 Cotton, by Mrs. T. B. Gibson, Auburn.
 Licorice root, by the same exhibitor.
 Licorice root, by Mrs. Pratt, Sacramento.
 Green corn, by Thomas Fraser, Placerville, El Dorado County.
 Ripe grapes from vine, by the same exhibitor.
 Ripe plums, by Hank Bressler, Red Bluff, Tehama County.
 Figs, cured, by S. Drury, Newcastle, Placer County.
 Thompson Seedless grapes, by J. P. Onstott, Yuba City, Sutter County.
 Orange marmalade, by Mrs. W. A. Rogers, Thermalito, Butte County.
 Orange syrup, by Eckman & Norton, Oroville, Butte County.
 Exhibit of exhibition fruit, by L. A. Walton, Yuba City, Sutter County.
 Joppa orange trees, by Aloha Nurseries, Penryn, Placer County.
 Citron lemon, by G. G. Kimball, Red Bluff, Tehama County.
 Seedless oranges, by Robert Hector, Monte Rio, Placer County.
 Seedless oranges, by H. E. Parker, Penryn, Placer County.
 Crystallized fruits, by Dr. H. H. Pillsbury, Auburn.

STATEMENT OF RECEIPTS AND EXPENDITURES.

RECEIPTS.

| | | |
|------------------------|------------|------------------|
| At door..... | \$1,643 85 | |
| Sale of material | 88 00 | |
| State Fund | 2,500 00 | |
| | | \$4,179 85 |
| Subscriptions..... | | 743 34 |
| | | <hr/> \$4,923 19 |

EXPENDITURES.

| | | |
|---|----------|------------------|
| Advertising and printing..... | \$754 05 | |
| Labor, superintendence, speaker, etc. | 815 14 | |
| Lumber and other material, rent, music, etc. | 849 00 | |
| Premiums paid..... | 2,505 00 | |
| | | <hr/> \$4,923 19 |

W. B. GESTER,
 Secretary.

REPORT OF STATE CITRUS FAIR,

HELD IN THE SIXTH CONGRESSIONAL DISTRICT, MARCH 3, 1891.

REPORT OF EXECUTIVE COMMITTEE.

To the General Committee of the State Citrus Fair for the Sixth Congressional District:

GENTLEMEN: Your Executive Committee, immediately after its appointment in January, entered upon the performance of its duties. It appointed Mr. C. D. Willard Assistant Superintendent; examined all available buildings in the city, and secured the Exposition Company's building as the only one suitable; advertised for proposals to furnish music, employed the band of the Seventh Regiment, and advertised for bids for privileges, ice cream, soda water, etc. It decided to ask the ladies of the Chamber of Commerce to decorate the hall, and to offer them lunch stand privileges free, in compensation. It agreed also to offer premiums for artistic displays, paying for them out of surplus receipts of the fair. It authorized Superintendent Hanchette to arrange for evening entertainments. It instructed the Secretary to invite Governor Markham to deliver the opening address, and President Green of the State Board of Agriculture, President Ellwood Cooper of the State Board of Horticulture, President Eugene Gregory of the State Board of Trade, and the Hon. W. H. Mills, and General N. P. Chipman, to deliver addresses on succeeding nights. Also, to invite the State Legislature to be present as far as possible, as it was likely to adjourn at about the time of the fair. It also voted to offer a premium for the best design for decorating the pavilion, and to advertise the same and arrange many of the details of the work. The preparations for the fair being thus set in motion, Mr. Hanchette visited various places in the county; Mr. Willard traveled throughout the district, and Mr. Wiggins made excursions to various places to awaken the interest which appeared to be somewhat dormant, in most directions, and to secure exhibits and an energetic effort to produce a fair which should be a credit to Southern California. The absence of the Superintendent prevents the details of the work being given in full, but the lines of communication with all parts of the district were kept hot by the streams of letters, notices, requests, and instructions which were sent over them, and the bill for postage was enormous, as you will learn from the Assistant Secretary's accounts.

The weather compelled the postponement of the fair for one week, and the cost of advertising, printing, and posting of bills and notices was almost doubled in consequence. The Secretary and Superintendent, Mr. Hanchette, and his assistants, Messrs. Willard and Wiggins, worked with restless energy and kept their employes on the jump for weeks, till the pavilion was taken possession of—about a week before the opening—when they doubled their efforts and worked night and day. The ladies

and the gentlemen who assisted them also worked devotedly to decorate the building, and are entitled to great credit for what they accomplished. No pains possible were spared to surpass the fair of last year and that of Marysville. The expenses were greatly augmented by the cost of labor and material furnished the exhibitors as directed by the General Committee, but that expenditure was judicious, as was that also of decorating. The expense of labor was large, as a small regiment of workers is required to carry on such an undertaking. Contracts for rent, advertising, music, lighting, lumber, printing, furniture, etc., were made on as favorable terms as possible under the circumstances.

The fair opened with almost all the exhibits and preparations complete, on the night of Tuesday, March 3d, as advertised.

We had failed to secure the Governor to make the opening address, but Mr. W. A. Spaulding took his place, and filled it with marked ability. The Committees of Awards were but few of them present on the afternoon of the first day, as had been announced, so the performance of their duties was postponed to the following day. The attendance on the first night was large, but not as large as had been expected. The warm commendations of the exhibition on the part of those who attended, however, was a source of great comfort to those who were concerned in getting it up.

During the remaining eight days, three were unfavorable on account of the rain, and one was on Sunday, on which day the doors were opened during the afternoon only. On these days the receipts and attendance were comparatively light, but on the other four the results were highly gratifying, and indicated that with fair weather the receipts would probably have reached \$10,000.

During this time, though, we entertained many outside visitors. The expense incurred by the management, aside from that from private pockets, was but \$11 25. The L. J. Rose & Co. Winery, with generous liberality, contributed a large supply of excellent wine, and a smaller quantity was donated by the San Gabriel and Sierra Madre Wine Companies, to all of whom our thanks are due.

We were gratified by a visit from the managers and promoters of the Northern Citrus Fair, and at being able to show them some few courtesies.

During the fair the Pacific Coast Bankers' Convention was held here, and its members attended the fair by invitation and upon complimentary tickets. Notwithstanding the most urgent solicitation Riverside neglected to furnish an exhibit. Ventura and Fresno failed also to make any display, greatly to the regret of all concerned.

On Thursday night of the fair General N. P. Chipman, of Red Bluff, delivered a very able and interesting address. One was also furnished by Mr. C. F. Eaton, of Santa Barbara, which was read by Major Donnell. Messrs. Green, Cooper, Mills, and Gregory were unable to be present. The fair closed on the night of the eighteenth after a very stormy day, which made the last day's receipts very light. Its success had been so marked and its attractiveness so highly praised that both management and exhibitors voted unanimously to send it to Chicago, in which your committee concurred. Accordingly the work of removal was commenced with a view to that end. Your Executive Committee called a meeting of the General Committee, which voted to apply the surplus proceeds of the fair, as far as necessary, towards the expenses of the reproduction in Chicago. The Los Angeles Chamber of Commerce raised a guarantee

fund of \$4,000, and the funds being still found \$1,000 short, the Executive Committee borrowed that amount on their personal security. Your Treasurer being unable to go to Chicago, and it being necessary for at least a portion of your Executive Committee to go, Messrs. Wells and Cook put their affairs in shape to do so, and Mr. Cook being made the Treasurer for the carnival purposes, your Treasurer turned the surplus funds over to him as fast as possible. Mr. Hanchette was hurried off to Chicago the second day after the fair closed. Your Committee placed in his hands \$500 for preliminary expenses, all of which he has accounted for.

The decorations belonging to the fair were left in the building at the solicitation of the ladies of the Authors' Carnival, who paid \$25 for their use. They also remained there until after the reception of the President. On attempting to dispose of them finally no better offer was received than that of removing them for them, and they were disposed of in that way.

Were Mr. Hanchette present his account of his conduct of the Superintendency would doubtless be extremely interesting, and prove valuable for use on like occasions in the future. Your committee deplores his unfortunate absence. In his place Mr. Willard will present a brief report.

The Treasurer's report shows the receipts of the fair from all sources were \$7,977 40, and the disbursements were \$7,947 43. The balance in his hands is \$29 97.

There are certain demands for rebates from localities which your committee has decided to refer to you. These the Treasurer has, and will bring them forward during your meeting, when the representatives will be present to state their cases. Your committee is of the opinion that they should be paid.

E. W. JONES,
C. M. WELLS,
J. W. COOK,
Executive Committee.

REPORT OF SUPERINTENDENT.

In the absence of Mr. Hanchette, the Executive Committee has suggested that his assistants should prepare a brief report of the work which was carried on under his charge, to be handed down, together with the other records of the fair, for the advice and assistance of the management of succeeding years. The Legislature has continued the appropriation for two years longer, and it is quite probable that the Citrus Fair of Southern California will occur annually hereafter as long as the fruit is grown for profit in this section. One of the best means that can be taken to induce a steady improvement in the standard and character of the undertaking, is to have the experience of each year recorded for the edification of those upon whom the work falls later.

The Superintendent of the fair of 1891 possessed a considerable advantage over the Superintendent of 1890, in that he was elected to his position about two months before the fair began, and also that he was supplied with ample help. Two Assistant Superintendents were appointed, and a vigorous canvass was undertaken throughout the whole of the citrus-producing district. Upwards of fifty meetings were called,

with a final result that twenty-three localities came forward and took part in the fair. As far as the work of the Superintendent is concerned, the unusual success of the late fair was due principally to the fact that a very thorough organization was effected. It was not done easily and quickly, but slowly, and with much work. In many cases where meetings were called no one responded, and complete indifference was shown. It then became necessary for the Superintendent's representatives to go out and drag the people in, and stir them up to the necessity of action, and in several instances the localities most backward at the start were most active at the finish.

At the end there were, unfortunately, several orange-growing sections which failed of representatives. Ventura and Orange Counties and Riverside are the most striking examples. Of the large number of reasons that have been assigned for this, apathy and preoccupation with other matters were undoubtedly the most potent. The agents of the fair found the feeling toward the enterprise universally favorable. It was everywhere admitted that the fair was thoroughly deserving of support as a distinctively Southern California enterprise. The feeling between the various sections was rather that of good natured rivalry than of jealousy—a feeling which, as time passes and the reputation of the individual fruits become better known, is likely to increase rather than diminish, and which will yearly contribute more and more to the success of the Citrus Fair.

Next after the work of organization, and simultaneous in a measure with it, came the publication of the Citrus Fair bulletins. These were four in number, short circulars, containing an account of the progress of the work of preparation and the plans which the various sections had under way. They were mailed to the citrus fruit growers of various localities and to most of the newspapers in the southern and central parts of the State; they were widely published and served to wake up the people of every section to the universal effort which was being made to insure the success of the fair. In connection with this work a sort of literary bureau was organized, and articles were written daily week after week for the local papers and for many journals at a distance. Several of the leading dailies of San Francisco used editorial matter sent in this way, and the attention which this attracted helped to rouse the people of the southern part of the State.

One thing which greatly assisted the work of the Superintendent's office, and which made it possible to put the fair before the general public in an interesting manner, was the plan adopted by the committee of offering prizes for the most artistic display. A citrus fair which consists of nothing but fruit, no matter how fine, by the way, spread out upon tables, while it may prove very attractive to the premium takers and a few others, has very little interest for the general public, and a fair conducted with such a purpose alone in view cannot be in the highest degree a success. At first there was some objection raised, among the fruit growers, to the construction of designs, which was largely the result of a misunderstanding. It was wrongly stated by one or two newspapers that premiums were to be offered for designs alone and not for superiority of fruit. When the impression was corrected the arrangements were, as a rule, accepted heartily and the work taken up with the liveliest interest. As the result finally came out the locality premium was taken by one of the simplest designs in the house, merit of fruit alone having determined the placing of the honor.

The fact was frequently noted and commented upon when the fair was in progress, that the attendance consisted largely of Easterners and of people from outside the city. This proves that the fair was thoroughly advertised among the outside sections. The county newspapers assisted in a large measure in bringing about this result. Contrary to the usual custom, the management sent advertisements to nearly all the weekly and daily papers published in the citrus-growing sections.

At the close of the fair the Superintendent and his assistants held something of a discussion over the details of the work which, in their opinion, might have been done better, and the points decided upon I take the liberty of setting forth in the form of suggestions.

The chief difficulty which arose in connection with the building of the designs was, who should pay for the cash part of the work. It was plainly not fair that the management should bear all the expense, as one locality would be allowed to gain more advantage by such an arrangement than another, and ill feeling would result. On the other hand the localities could hardly be expected to pay all the expense, as the beauty of the design contributed in a great measure to the success of the fair and increased the general receipts. Before the next fair takes place some sort of a scheme should be devised by which all or a part of the expenses of the construction of the designs should be rebated to the localities from the gate receipts, those constructing the larger designs taking the greater risk and enduring the greater margin of loss. There is no reason, for that matter, why the fair should not be regarded as a joint-stock enterprise, each locality holding shares to the amount of its guarantee fund, or the expenditure which it makes in behalf of the fair. Certainly the arrangement which prevailed this year was not a wise one, from the point of view of the Superintendent, as it was the cause of much discussion after the fair was over, and several claims still remain in dispute.

Another difficulty connected with the building of designs is the lack of an adequate scheme for holding the fruit in place. Counting the labor and wire, it cost several hundred dollars to put up the fruit, much of which would be saved by a suitable invention. A letter recently came to the Secretary of the Chamber of Commerce from the manager of the Washington Industrial Exposition, asking what plans were used at the Citrus Fair for holding the fruit in place. They were desirous of building designs of apples and other deciduous fruits, and wished to learn how it could be done. This indicates that a satisfactory invention would probably find a steadily increasing sale.

One place where it was generally admitted that there was room for much improvement was in the matter of decorations. The use of colors which fail to harmonize with the fruit should be strictly prohibited. Exhibitors should be compelled to limit their decorations to certain prescribed colors; and for the decoration of the building a sufficient quantity of the proper shades should be ordered from the East in time beforehand.

There should more effort be made towards advertising the fair throughout the East, with a view to introducing a large number of visitors to attend from all sections of the Union. By taking up the matter long enough beforehand, the Citrus Fair can be made to serve for Southern California the same purpose that the Mardi Gras serves for the South.

If the railroads could be induced to believe that it would be thoroughly advertised through the East, it would be possible to secure excursion rates, which would increase our tourist travel to the proportions it attained several years ago. An organized effort of a similar character would probably result, moreover, to our obtaining more satisfactory rates for local excursions to and from the fair.

C. D. WILLARD,
FRANK WIGGINS,
Assistant Superintendents.

REPORT OF COMMITTEE OF AWARDS.

The Judges of the various classes of exhibits at the State Citrus Fair have reported as follows recommending awards:

CLASS I.

For best exhibit of citrus fruits from any county:
First premium..... Los Angeles County.
Second premium..... San Bernardino County.
Third premium..... San Diego County.

CLASS II.

For best exhibit of citrus fruits from any locality:
First premium..... Pomona.
Second premium..... Redlands.
Third premium..... Duarte.

CLASS III.

For best exhibit of Washington Navel oranges by an individual:
First premium..... W. H. Backus, of Riverside.
Second premium..... E. Parsons, of Pomona.
Third premium..... A. C. Thompson, of Duarte.

CLASS IV.

For best exhibit of budded oranges other than Washington Navels by an individual:
First premium..... Stoddard Jess, of Pomona.
Second premium..... F. J. Smith, of Pomona.
Third premium..... Mrs. I. L. Thurber, of North Pomona.

CLASS V.

For best exhibit of seedling oranges by an individual:
First premium..... James Beckett, of Pomona.
Second premium..... C. R. Paine, of Redlands.
Third premium..... W. H. Backus, of Riverside.
Honorable mention..... F. D. English, of Rivera.

CLASS VI.

For best exhibit of budded lemons by an individual:
First premium..... E. M. Hatch, of Ontario.
Second premium..... E. S. Thacker, of Nordhoff.
The Judges of this class find that there is no exhibit worthy of the third premium, and recommend that it be not awarded.

CLASS VII.

For best specimens of Washington Navels, not less than one box:
First premium..... A. C. Thompson, of Duarte, and W. H. Young, of Duarte.
Second premium..... W. H. Backus, of Riverside.
The Judges in this class recommend that the premium be divided between the two exhibits mentioned from Duarte. The Judges also recommend that honorable mention be made of the exhibits of the following: J. R. Dobbins, of San Gabriel; S. A. Overholter, of Covina; C. T. Robedean, of Covina; George B. Davis, of Sierra Madre; C. Seaver, of Pomona; F. Q. Story, of San Gabriel.

CLASS VIII.

For best variety of budded oranges other than Navels, not less than one box:

First premium—Malta Bloods H. H. Sinclair, of Redlands.
 First premium—St. Michaels F. J. Smith, of Pomona.
 First premium—Mediterranean Sweets Mrs. I. L. Thurber, of North Pomona.

The Judges of this class find that it is impossible to decide as to which is the best variety of budded oranges, and therefore recommend that the \$30 to be awarded to this class be divided so as to make first premiums for each of the three classes named.

CLASS IX.

For best specimen of seedling oranges, not less than one box:

First and second premiums
 G. S. Patton, of San Gabriel; W. H. Backus, of Riverside, and E. Mayer, of Duarte.
 The Judges in this class recommend that the first and second premiums be divided equally between the gentlemen named above, as they are unable to find any difference in the fruit.

The Judges recommend that honorable mention be made of the exhibits of John Dostal, of Redlands; J. DeBarth Shorb, of San Gabriel; E. K. Alexander, of Los Angeles; J. T. Kearns, of Downey; L. L. Bradbury, of Duarte; F. D. English, of Rivera; Mrs. W. H. Winston, of San Gabriel; H. A. Buttolph, of Duarte; F. W. Lancaster, of Duarte.

CLASS X.

For best specimens of budded lemons, not less than one box:

First premium Dr. E. A. McDonald, of Ontario.
 Second premium E. M. Hatch, of Ontario.
 Honorable mention W. H. Backus, of Riverside, and Chas. D. Adams, of Ontario.

CLASS XI.

For best variety of late budded oranges, not less than one box:

First premium—St. Michaels W. H. Backus, of Riverside.
 First premium—Mediterranean Sweets W. H. Backus, of Riverside.

The Judges in this class recommend that the premium be divided, for the reasons as stated for Class VIII.

CLASS XII.

For best exhibit of Japanese oranges, not less than one box:

First premium R. R. Stevens, of Santa Barbara.
 The Judges of this class found no Japanese oranges worthy of premiums that had been honored at the proper time.

CLASS XIII.

For best exhibit of limes:

First premium J. B. Lanterman, of La Cañada.

CLASS XIV.

For best exhibit of citrons:

First premium John F. Branch, of Artesia.
 The Judges recommend that honorable mention be made of the exhibit of I. B. Pierce, of Santa Barbara, and John S. Clark, of San Gabriel.

CLASS XV.

For best exhibit of shaddocks and pomaloes:

First premium F. D. English, of Rivera.
 Honorable mention E. Watson, of Duarte.

The Judges of this class recommend:

First—That in the future premiums be offered for competition in each district as well as premiums in the several districts.

Second—That exhibits from competitors be not boxed or worked into designs.

Third—That no exhibit be marked with the exhibitor's name or district until after the award has been made.

CLASS XVIII.

For best exhibit of raisins by an individual:

First premium W. H. Backus, of Riverside.

CLASS XIX.

For best exhibit of five-pound box of raisins:

First premium W. H. Backus, of Riverside.
 Second premium S. M. Marshall, of El Cajon.

CLASS XX.

For best exhibit of two and one half-pound box of raisins:

First premium W. H. Backus, of Riverside.

CLASS XXI.

For best exhibit of dried figs:

| | |
|---------------------|-------------------------|
| First premium..... | M. Denicke, of Fresno. |
| Second premium..... | G. D. Bunch, of Rivera. |

CLASS XXII.

For best exhibit of pickled olives:

| | |
|---------------------|------------------------------|
| First premium..... | Wm. Craig, of Redlands. |
| Second premium..... | Matthew Warner, of Redlands. |

CLASS XXIII.

For best exhibit of olive oil:

| | |
|---------------------|-----------------------------------|
| First premium..... | Ellwood Cooper, of Santa Barbara. |
| Second premium..... | L. J. Rose, of San Gabriel. |

CLASS XXIV.

For best exhibit of walnuts:

| | |
|----------------------|---|
| First premium..... | Walnut Growers' Association, of Rivera. |
| Second premium | Joseph Sexton, of Santa Barbara. |

CLASS XXV.

For best exhibit of dates:

| | |
|---------------------|----------------------------------|
| First premium | Joseph Parker, of Santa Barbara. |
|---------------------|----------------------------------|

CLASS XXVII.

For most artistic display of plants and flowers:

The Judges in this class found no artistic display of plants and flowers, and recommend that first and second premiums be awarded for plants distinct from flowers and flowers distinct from plants.

| | |
|------------------------------|----------------------------------|
| First premium—flowers | Raymond Nursery, of Pasadena. |
| Second premium—flowers | Santa Monica. |
| First premium—plants | J. H. Spence, of Santa Barbara. |
| Second premium—plants | R. R. Stevens, of Santa Barbara. |

CLASS XXVIII.

For most artistic display of citrus fruit:

| | |
|--|----------------|
| First premium—Arch and Bear Valley Dam | Redlands. |
| Second premium—Old Mission Church | San Gabriel. |
| Third premium—County Court-house | Ladies' Annex. |
| Fourth premium—Turkish Mosque | Duarte. |
| Fifth premium—Tower | Pasadena. |
| Honorable mention—Traction Car | Ontario. |

TREASURER'S STATEMENT.

RECEIPTS.

| | | |
|-----------------------------------|------------|-------------|
| Gate money, privileges, etc. | \$8,027 55 | |
| Premium money from State | 2,500 00 | |
| | | \$10,527 55 |

EXPENDITURES.

| | | |
|--|----------|------------|
| Rent | \$806 75 | |
| Music | 655 00 | |
| Lighting | 573 20 | |
| Labor | 699 47 | |
| Carpenters | 536 67 | |
| Lumber | 531 59 | |
| Printing | 302 25 | |
| Advertising | 213 65 | |
| Bill posting | 84 37 | |
| Dry goods | 164 63 | |
| Hardware, etc. | 110 80 | |
| Cartage | 43 75 | |
| Signs | 78 00 | |
| Diplomas | 35 00 | |
| Premiums allowed by the State | 2,500 00 | |
| Extra premiums | 85 00 | |
| Interest on \$2,500 premium money borrowed | 34 15 | |
| Salaries | 635 00 | |
| Miscellaneous | 488 55 | |
| | | \$8,527 88 |
| Excess of income over expenses | | \$1,999 72 |

THE PRUNE IN SANTA CLARA VALLEY.

By PROF. C. H. ALLEN, of San José.

In the fall of 1867, J. Q. A. Ballou, one of the oldest orchardists in the valley, consigned to A. Lusk & Co., of San Francisco, about five hundred pounds of dried French prunes. This was the first shipment of prunes from the valley, and comprised the entire crop.

During the fall and winter of 1891 to December 31st, there had been shipped by rail from San José alone 19,207,165 pounds, and there are at least 2,000,000 pounds more in sight awaiting shipment.

This, briefly, is the history of the "prune industry" in the Santa Clara Valley. Let us look at it more in detail. Mr. Ballou raised his fruit from about fifteen trees, and there were not at that time more than one hundred trees in bearing in the valley. Now there are not less than one million trees planted, nearly one half of which are in bearing.

Then the fruit was gathered as it fell, and with no preparation spread upon a few loose boards to dry. Now large plants have been put in, where the prune is prepared for drying by dipping it in a strong solution of lye to take off the bloom, thin the skin that it may dry more readily; thousands of drying trays have been made, and hundreds of acres have been set apart for drying grounds.

This contrast shows a wonderful growth, and when it is understood that nearly all this growth has taken place since 1882, or in nine years, it becomes phenomenal. No one could have imagined that the few French prune trees first brought to this valley by Louis Pellier, in 1857, were to work such a magical change in the industries of the valley.

It was the work of many years to demonstrate what is now a well established fact: that this valley is, in soil, climate, and general location, entirely and peculiarly adapted to the production of the prune; and the other fact, quite as important and equally well established, that its culture is remunerative. When these became generally known, planting began in good earnest. There was much to learn, however, before success was assured. Methods of planting, cultivating, and pruning had to be mastered, and the very important point of the adaptability of different root-stock to different kinds of soil and grades of land. The prune is never here grown upon its own root. In deciding this latter question many serious mistakes were made, to be rectified only by replanting.

After the prunes were grown came the equally important matter of handling the product, and preparing it for market. In all this there was no precedent. Methods used in other countries did not apply here. So it followed that the whole thing had to be learned from the beginning. For a time it was thought that the prune must, to satisfy the market, be evaporated in a drier; and this thought was fostered by the relative price of sun-dried and so-called evaporated prunes. The fact is now fully conceded that whatever may be true of other fruits, the prune is best when dried in the sun—nature's own method. This, in our climate,

is accomplished with little difficulty. The long rainless periods, during a considerable portion of which there are absolutely dewless nights, make it possible to cure the product entirely in the open air. Nor is it necessary, at all times, that there shall be sun. The air is so dry that a current passing over the fruit will dry it even in the shade; and for weeks together the fruit dries during every hour of the twenty-four. It is no uncommon sight to see literally acres of trays lying flat on the ground, to remain untouched until the contents are ready for the bin. It is this climatic condition that makes California the place above all others for fruit drying.

There are, then, in the Santa Clara Valley, not far from ten thousand acres planted to prunes. When these all come into bearing, say in five years, the output will be from fifty to seventy million pounds annually, from this valley alone. When it is also understood that there are yet in the valley and the adjoining foothills thousands of acres of land equally well adapted to prune culture, and that much of this is even now being planted, a faint glimpse may be had of what the industry is to become in the near future.

The vital question concerning all this matter is, "Will it pay?" This point will bear investigation. Prune land, not immediately contiguous to business centers, can be bought at from \$50 to \$150 per acre, prices varying according to location and the condition and quality of the land. Take the outside figure: cost for one acre of land, \$150. The cost of planting and bringing this to bearing depends much upon the manner in which it is done, but more upon the knowledge and skill of the one having it in charge. The outside cost is given at \$100 per acre. This includes the purchase of trees, preparing the ground, planting, cultivating, pruning, and all the work of caring for the trees for six years. The fourth year there will be some product; enough, perhaps, to pay for picking and handling. The fifth, there should be a yield of from thirty to fifty pounds to the tree, and this will give quite an income. The sixth year should give half a crop, and thereafter full crops may be expected.

This gives us, counting cost of land, cost of culture, interest, and taxes, less probable income, say \$300 to \$350 per acre. Nothing is here said of the income that may, without detriment to the trees, be realized from planting vegetables or small fruits between the rows. This, although by many orchardists considered very unwise, I have been led to believe, both from my experience and my observation, is good economy, the small loss to the soil being more than compensated for by the better culture given to the ground. Of course, this can be done for two, or at the outside, three years only.

The after culture in the orchard, aside from curing the crop, will cost about the same as it does to cultivate a crop of corn. The average crop, sold at the low price of \$20 per ton (a price less than has ever obtained here), and the land will pay net more than \$50 per acre. If we take the average price here, the net income is more than \$150 per acre. Making all allowance for a partial crop failure, which in the nature of things will sometimes occur, even here, and allowance for the constant and oft-repeated cry of "overproduction," and it becomes evident that the industry pays.

It remains to show, if indeed it can be shown, that the valley is entitled to what it claims, namely, preëminence as a prune region. The

causes upon which this claim is based are not far to seek. They are first, climatic. It is not so hot here in the summer as to scald the fruit upon the sunny side, thus destroying it; nor as to scorch and dry the stems, thus arresting the growth; nor even as to force the prune on to maturity before the storing up of saccharine matter is completed. On the other hand, we have no cold winds to check the growth, and thus in another way arrest the growth, the disposition of saccharine matter, and the formation of pulp between the skin and the pit, the lack of which gives the "skinny" prune sometimes seen where these cold winds prevail.

Second, our soil is abundantly fertile. The prune is a gross feeder, and requires to perfect itself a generous supply of easily assimilated nutrition; this it gets in this valley. Little irrigation is needed; on the foothills none. In the valley proper, a very small portion of the prune land is irrigated, and on this reliance is placed almost entirely upon winter irrigation. That a well-perfected, non-irrigated prune is superior to one forced to its size by irrigation, goes without the saying. Most of the crop here, if "processed," will take even first rank in comparison with the best French product—the confection prune.

No one would yet be so unwise as to say that there are not other parts of the State equally well adapted to the production of the prune as this; but it has been and is being clearly demonstrated that there are many localities now growing prunes in which the conditions are so unfavorable as almost to preclude the possibility of growing a really first class article. It is the part of wisdom for each fruit-growing locality to determine, as soon as possible, to what kind of fruit it is best adapted, and having determined this, to bend its energies to the production of that particular kind of fruit, rather than to waste time and labor in attempting to overcome climatic and other conditions beyond its control.

The varieties of prunes grown here demand a passing notice. While more than nine tenths of the crop is of the so-called French prune (the *Petite d'Agen* prune), other varieties are working themselves in and demanding recognition. Nearest allied to the Prune d'Agen is the Robe de Sergeant, a prune notably larger, a little later, and not quite so rapidly sweet as the Prune d'Agen. This is unquestionably a French prune, and because of its piquant flavor (for it will bear a little sugar) it is bound to become a favorite.

The Silver prune, a seedling from Coe's Golden Drop plum, is also much grown in the foothills, where it produces enormous crops of elegant prunes. It is said not to bear so well on the low lands of the valley proper. It dries easily, makes a beautiful fruit, is also slightly (though very slightly) tart, and when properly prepared is, perhaps, the most toothsome of our prunes. It sells well fresh, and in the market, dried, generally leads in price. The Hungarian prune (the *Gross d'Agen* prune), I suppose, dries as soon as the Egg plum, and is valuable only as a prune to ship fresh; so shipped, its bright color (for people will still buy for the eye) and good size make it a favorite with many. All this is also probably true of the Tragedy prune, a few of which have been planted, but none yet in bearing. It is also, we learn, very early, a point in its favor.

The Fellenberg, the Bulgarian, the St. Catharine, and the St. Martin are little grown and little known. I have fruited all of them, but am not satisfied that they possess any desirable qualities not possessed by varieties already in our market.

In conclusion, I may be permitted to add, that in the preparation of this paper I have studiously avoided the constant and many times pressing temptation to "draw the long bow," by making estimates from exceptional cases. The figures given are not misleading, and a more favorable statement might truthfully be made. It is, however, better to err on the side of conservatism than to stretch credulity, or overstate important facts.

The immense profits that have heretofore been many times realized from fruit growing have given rise to two evils, each of which is to our hurt. We have adopted such optimistic views that we shall most surely be doomed to a severe disappointment; and trusting to conclusions based upon these views, we have in many cases adopted expensive and wasteful ways of raising our fruit and preparing it for market. When a man is receiving from \$300 to \$1,000 for the fruit from one acre of land, he is not apt to be very careful in his expenditures.

But all this will "settle off," and in a few years we may expect that prune growing will be brought down to a business basis, and then, the profits being satisfactory, even at prices no better than they have been the past year, we all shall be, or ought to be, happy.

THE WALNUT IN VENTURA COUNTY.

By N. B. SMITH, Esq., of San Buenaventura.

SAN BUENAVENTURA, VENTURA COUNTY, CAL., }
January 13, 1892. }

MR. EDWIN F. SMITH, *Secretary State Board of Agriculture:*

DEAR SIR: Yours of December 11th at hand. In reply I would say it seems to me there are others in this county who have had more experience in the culture of the walnut. But I will give my version after ten years' residence here. I am located on Ventura Avenue, three miles from the coast, in the cultivation of various varieties of fruit. My original idea was to have walnuts. My first purchase of land had one hundred and eighty-five (what is known as the hard-shell) walnut trees. They began bearing at seven years out, and gave 12 pounds; at eight years, 226 pounds; at nine years, 2,600 pounds; at ten years, 7,200 pounds; at eleven years, 9,000 pounds; at twelve years, 13,000 pounds, and at present they continue to produce about the latter figure, and are a very remunerative crop, with less labor attending cultivation and harvest than other kinds of fruit. Although, no doubt, there are varieties more productive, and many make it more profitable, yet they are under much expense, and then its perishable condition; and the prices are generally governed by the crops East and abroad. Take last year for an illustration; while the year before every one made money, owing, of course, to a speculative movement and short crops East.

The walnut seems to be confined to certain localities in California, and is not subject to so much competition. Ventura County soil is well adapted to its production, and particularly so in this valley. The thrifty trees and their bounteous harvest show for themselves. A few years ago a new nut, called the soft-shell, seems to have taken precedent with many, myself as well. They produce much younger. At five years old they yield a good many nuts. As my trees are young, I can hardly make a good comparison with my hard-shell, so called. They were very productive last year, a fine looking shell, and attractive, with meat white and plump, weigh several pounds more to the sack than the other variety, and command several cents more per pound. Hence, it would seem, it "was the nut." My soft-shells have not a fair show as yet. I have prunes and apricots between, which return immense crops, but of course they retard the growth of the nut, and producing as they do, I am reluctant to remove them. Between the one hundred and eighty-five old trees before mentioned were apples, but I removed them finally, and such a marvelous growth as the walnuts made the next year demonstrates the fact that they require room. Mine are forty feet apart, but fifty feet is better, as many touch now. They need but little pruning, only to get them up. When at a proper height I prune from the under part of the limb, for if allowed to grow to any size it pulls the more upright ones down. We

harvest the nuts in October and November. I agitate the limb with a long pole with a hook in the end. Those that are ready to drop come down easily. I then pick and dry them a few days in the sun, when they are sacked and ready for market. I make three such pickings as described. The trade seems to demand bleaching.

It is quite interesting to watch the nature of the walnut. It has its staminate and pistillate blooms separate; both occur on the same tree; the staminate develops into catkins, the pistillate into embryo nuts. Successful fruiting depends on these two forms of bloom appearing at the same time. Now, with me they have never failed to connect, but I can cite localities where they do. They are fine, healthy appearing trees, but fail to develop the embryo nuts; they form, but drop. The staminate for the coming year begins to form as the nut is developing, say the early part of July, and by the last of August they reach the state that nature has required. Thus they remain until the following spring, when they develop as I have before stated. So one can generally estimate his crop for the ensuing year, barring climatic changes. The first year my soft-shells began bearing no catkins appeared. It was peculiar, as now they have plenty. I have thirty four-year old trees that gave me last year twenty-two pounds of nuts. These trees were grown from seed of my hard-shells, and produce identically the same nut. Why I allude to this is, it has always been the impression they did not bear until nine years old; neither did my old trees. It is quite a freak of nature.

Walnut growing is a pleasant and agreeable occupation, and can be made very profitable, providing one gives it proper attention; but they cannot be grown in all localities, by any means, although thousands have been planted where they will be worth more for wood—too exposed, cold, not moisture sufficient. My soil is a rich, sandy loam, well drained, twenty-four feet to water. I have trees that have given five sacks of sixty pounds, and prices range from 7 to 10½ cents. Twenty-seven trees to the acre, one can readily calculate their value. As yet we have but little competition—on this coast the Chile nut, in the East the foreign ones. Withal, I believe when our California nut, soft or hard, is properly grown and put on the market with as much care and judgment as other fruits are given, that it will rank first on the list. I have seen many foreign nuts, but I have yet to see the walnut that compares in size, color, clearness, and sweetness to the meat of the soft-shell, although I have both, and the two kinds are prolific.

I would like to say a word regarding the county at large. While its soil and climate are well adapted to the walnut, all other varieties of deciduous fruits do remarkably well, and annually yield bountiful crops, particularly the apple, pear, apricot, and prune. Of the former I question if a better or more productive locality can be found. I get immense crops and find a ready sale at high prices. The apricot produces heavily, usually, although last season it was light. If one thins properly the trees bear with more regularity, and a better quality of fruit is obtained; many think it a waste of time, but my crops show for themselves. When this idea of thinning is well established we shall not hear of so much poor quality of fruit, and the time is not far distant when the orchardists will thoroughly understand that it is the quality, and not the quantity, the trade demands. The day has passed when anything goes.

I have had good success with the prune. To give an idea of the yield,

from fourteen hundred trees in 1890 I sold one hundred and four tons; these trees have walnuts between. From two hundred and forty trees, which stand on two acres, with walnuts set between, I harvested a fraction over twenty-five tons, at \$40 per ton. Last year the same trees gave over twelve tons at \$30 per ton, and including the others I had over sixty tons. The two years averaged up well, and demonstrate that we can raise prunes as well as other counties. Many have thought we could not produce them here, but I have found no difficulty as yet, and have always found a ready market, and at paying prices. I have a large drier of five tons' capacity, but I prefer to sell my fruit green, when the price justifies, as it did the last two years. Many sun-dry here, which reduces the cost considerably, if one prefers not to sell green. I made fine sun-dried apricots of the "Mammoth" variety, which are on exhibition in the Chamber of Commerce at Los Angeles. A word regarding this variety: It is an excellent canning "cot," of immense size, running four and five to the pound; clear skin, good brains, delicious flavor, and when once introduced it will attract much attention. Next winter I shall have several thousand trees of this variety for sale.

Ventura County is not only productive with its fruits, but with oil, wheat, barley, corn, and beans; and, take its area, I doubt if a more productive county can be found. I quote the correspondent of the Los Angeles "Times," compiled by the Ventura "Free Press," to corroborate the above statement:

"The year 1891 has been a very prosperous one for Ventura County. There have been good crops and fairly good prices, and this, with quite an immigration of people seeking homes and investments, makes the county more prosperous than at any time in its history. Not only are the agricultural and horticultural interests in good condition; but the mineral industry has made a rapid growth. The oil wells to-day are a very prominent feature, and it can reasonably be expected they will increase in number and value for a good many years to come. The product is worth \$500,000 a year. The Union Oil Company thinks the product is more valuable to manufacture into ink than to ship crude, and the prospects are favorable that the bulk of the oil will be made into that commodity. Horticultural matters are very encouraging, many new orchards, both in citrus and deciduous trees, having been set out during the past year. It is estimated that ten thousand acres about Saticoy were set out to walnuts alone. In the county there are 84,000 apricot, 5,000 fig, 50,000 prune, 5,000 lemon, 36,000 orange, and 100,000 walnut trees. Past experience has proved fruit culture here highly profitable. Of grain and fruits raised this year, the following is an accurate statement:

| | |
|------------------------|------------------|
| Beans | 1,800 carloads. |
| Potatoes | 300 carloads. |
| Walnuts | 10 carloads. |
| Apricots (dried) | 40 carloads. |
| Prunes (dried) | 5 carloads. |
| Barley | 450,000 centals. |
| Wheat | 50,000 centals. |
| Corn | 30,000 centals. |

"Recent rains make prospects very flattering for the year 1892, as the land is in excellent condition. At Ventura, last year, four thousand tons of merchandise were received by ocean steamers and nine thousand tons by railroads. There were one hundred and ten steamers and

eighteen sailing vessels landed here, and fully twenty-five cargoes of lumber received. The charges on freight received by the railroads show an increase of over \$4,000 over the previous year.

"As a station, Ventura shows up quite well, as sixteen thousand local tickets were sold during the past eleven months and over one hundred coupon tickets. To sum up the year in a pessimistic point of view, a careful estimate upon the products raised for export shows a total of \$3,000,000. As the population only reaches ten thousand, the claim of Ventura of being the richest county in the State is pretty well founded."

If we were isolated, cut off from the outside world, we could exist. Since the advent of the Southern Pacific Railroad we have made rapid and progressive growth, and now they are about to begin on their extension up the coast. Then this will be the through line; the sandy, dusty ride in the interior will be avoided.

Another road from Los Angeles will pass through the Simi and Los Posas Ranches, which will give a great impetus to these ranches. More productive valleys cannot be found, both for grain and fruit. Another road is talked of from Santa Monica along the coast to Hueneme, with an electric road to Nordhoff, all of which adds to the wealth of the county. Land is as cheap as it was ten years ago, and just as productive. Nearer town it has its value, and, of course, is higher; the improvements and advantages add to its value. The settler coming here now has a better knowledge of the best variety of fruit to plant, as he can readily see what is doing the best, and begin at once and make no errors, while many who came years ago were obliged to put in a little well-paid experience. If one desires to grow citrus fruits, the Ojai Valley and Santa Paula offer grand opportunities. This county is well worth a visit, and will bear a very close inspection. One can get the growers' opinions, and they can be verified any time by a visit to the wharf at Ventura and Hueneme railroad stations, and to the Southern Milling Warehouse Company's warehouses, from Santa Paula to Ventura, and it is my opinion he will be well satisfied with his visit, and will conclude it is a pretty good county to "tie to."

With such a credit in its favor, Ventura County cannot but take the front rank.

CALIFORNIA FIG INDUSTRY.

By B. M. LELONG, Secretary of the State Board of Horticulture, and ex officio Chief Horticultural Officer.

The fig is probably the oldest of all cultivated fruits. It is mentioned in the first book of the Bible, and is more frequently referred to in both the Old and New Testaments than any other fruit. Herodotus alludes to it, and in the early history of our race it played an important part among food products. The Greeks received the tree from Caria, whence its name, *Ficus carica*, but improved the fruit so greatly that Attic figs became celebrated and were in large demand, so much so that stringent laws regulating their export were enacted. Pliny mentions several varieties, and alludes especially to that produced in Ebusus as highly esteemed by Roman epicures, and mentions the Roman fig as supplying a large part of the food of the slaves, especially of those engaged in agricultural pursuits, by whom large quantities were eaten raw at the time of the fig harvest. It is probably a native of the eastern Mediterranean regions, but has spread from its original home over a large portion of the known world. It is to-day found in all the warm, temperate, sub-tropic, and northern tropical zones. It flourishes on the plains of northwestern India, on the Himalayas to an elevation of five thousand feet, in Afghanistan, northern Persia, Asia Minor, Palestine, northern Africa, and the warmer parts of Europe, ripening its fruit in sheltered places, even so far north as the southern portion of England. It has been naturalized in Australia, the north island of New Zealand, Chile, California, and other portions of the United States. It flourishes in Florida and the Southern States, and will grow and bear fruit in the open air of some of the Middle States with proper care. In California, of all the States in the Union, it appears to attain its most thrifty growth, and some trees now growing in this State are phenomenally large. Immense trees, the largest in this State, of the White Adriatic fig, grow at Knight's Ferry, in Stanislaus County. They bear enormously, and are a source of great profit to their owner.

One of these is sixty feet in height, its branches shading a circle of seventy feet diameter. At its base the trunk is eleven feet in circumference, and at three feet from the ground it is nine feet around. Several large branches divide the tree a little above this point, each of which has a circumference of nearly five feet; while at a distance of thirty feet from the ground the limbs have a diameter of seven to eight inches. The largest grove in this vicinity consists of fifteen massive black fig trees, set at a distance of sixty feet apart, yet intermingling their boughs overhead until a dense shade is formed beneath them.

At Rancho Chico, in Butte County, is a fig tree planted in 1856, which measures eleven feet in circumference one foot from the ground. Its branches have been trained to the ground, where they have struck root and formed new trunks, until they cover an area of a hundred feet in diameter.

California possesses very much the same requisites in soil and climate that are possessed by the fig-growing sections of Asia and Africa, where the finest fruit is produced. In response to a series of questions propounded by the State Board of Horticulture regarding the fig in foreign countries, a great deal of useful information was elicited in regard to the habits of the tree, methods of cultivation, and preparation of the fruit; from these sources the information presented in regard to this important fruit in other lands is gathered.

Morocco produces a large variety of most delicious figs; they are called by the Arabs "Kermuse" in general, although each variety has its name. There are figs of various colors, some of which are white, yellow, black, purple, and others green. The Jews extract "aguadiente," an ardent spirit, from figs. In Spain they prepare a savory wine, from which a spirit known as "anisetto" is extracted.

In Palestine, while no figs are grown for market, and scarcely any attention is given to the care and cultivation of the tree, there are said to be as many as twelve varieties of the fruit, and with few exceptions all are good for table use. The best known are the large green, early-fruited fig, known as *dafonri*; small green later fig, called *ghondri*; large purple fig, named *gharroubi*; a small purple fig of the same name; yellow fig, white inside, known as *biadi*; yellow, with crimson inside, called *karawi*; and the black fig, known as *swadi*. A great many figs are preserved for future consumption, and the three last named varieties are the favorites for this purpose. The tree flourishes all over Palestine—up into the hill country to an elevation of three thousand feet or more—and frequently attains an enormous size, even on the most rocky hillsides, and whether the land is hilly, rolling, or level, appears to make no great difference to them.

In Syria the best fig for drying is the green variety; the best for table use is the red pulp variety, known as "Buckaraty," a favorite, also, is a rounder variety, known as "Seedany." The trees grow on both plains and hills, and from the shore to a distance of twenty-five miles inland, and to an elevation of two thousand five hundred feet.

In Tripoli fig trees grow on the plains as well as on the mountains; the more they are exposed to the sun the better they prosper. They are found in rolling and level land, both of which are adapted to their growth. It is customary in this country to plant fig trees in either white clayey soil or in a blackish soil—the latter not being good for other kinds of trees.

In France the fig grows in an almost wild state in many places. On many an old wall small fig trees are to be seen, and on many a road-bank they are the trees most frequently to be seen. In country farm-yards, innkeepers' gardens, and stable-yards the fig tree is invariably present, and very often as a solitary specimen. It would be difficult to find a garden of any description in southern France without a fig tree.

In Italy many varieties are cultivated. Usually the fig is planted in company with other fruit trees—the olive, almond, and others—but fig orchards where figs alone are grown may be found at Lecce and other places, and in such cases the trees must be planted at such a distance apart that when they reach their fullest development they may not come in contact with each other. In many places it is the custom to alternate the fig, almond, and olive, so that each fig tree may be isolated. The introduction of the fig into Italy antedates authentic history,

and is lost in the misty depths of tradition. Pliny refers to a tree which existed long anterior to the founding of Rome, under which the people of that city were wont to assemble to discuss the topics of the day years thereafter. Tradition claims this tree to have been that under which Remus and Romulus were found, and in commemoration thereof it was preserved.

The fig grows spontaneously in the arid wastes of Greece, Asia, and northern Africa. In countries where the thermometer does not fall below 59 degrees Fahrenheit, the growth and maturity of the fig proceed without any appreciable interruption; but in colder countries, upon the advent of the first frost the fig tree loses its leaves and those seed receptacles which, under favorable circumstances, would have continued to develop, harden, and remain inert until the following spring, when, with the return of warm weather, they resume their growth, being the first to mature in the summer. The figs thus resulting are denominated "fig flowers," in order to distinguish them from those which first appear in the spring and mature later.

In hot countries the fig tree grows to large proportions, and in isolated and favorable localities it assumes a beautiful form without need of modification or pruning. Its branches project themselves regularly toward the earth from year to year, and finally reaching and entering it they throw out new roots, thus forming additional sources of propagation.

The fruit of the fig tree may be reckoned among the staple food of man for ages before cereals were cultivated by any settled agricultural population. In the temperate regions, where it thrives best, it fills the place of the banana of tropical climates, and yields fruit during several months of the year. In Asia Minor, where the tree is found wild, and where the best figs of commerce are grown, it is extremely fruitful.

The best figs for drying come from the valleys of the Meander and the Kaistros, to the south of Smyrna, where the trees are planted with great regularity and care, and the ground is dug and hoed from four to six times during the summer. When the figs reach Smyrna they are sorted by women and packed in boxes by men. They are the best when newly packed, and as months go by get drier and harder in the warehouse.

Although throughout the world there are to be found more than a hundred different species of figs, only some five or six are cultivated in Turkey, from whence we get the fig of commerce. Of these the best are grown most largely and in greatest perfection around Smyrna, but considerable quantities are also grown in other parts of Asia Minor. The fruit is of various colors, from deep purple to yellow, or nearly white. The trees usually bear two crops, one in the early summer, from the buds of the previous year, and the other in the autumn, from those of the spring growth. The last forms the chief harvest. The *Ficus carica*, from which the commercial fig is produced, is a tree rarely more than eighteen or twenty feet in height, with broad, rough, deciduous leaves, very deeply lobed in the cultivated variety, but in the wild plant nearly entire. After the young tree attains maturity it receives but little care beyond being occasionally lopped in places and being well manured in the fall of the year.

A remarkable feature of the fruit of the fig tree is, that it grows and ripens without any apparent blossom. The edible part, however, is not a fruit proper, but a hollow receptacle which contains the flowers, and in the mature fig, the fruit. This fruit is composed of numerous small

seeds imbedded in the juicy pulp of the receptacle composing the fig. The flowers are very small and unisexual, the male flowers occupying the upper end of the cavity, and the female flowers the lower portion.

The question of fertilization of the female flowers of the fig is a vexed one. In many varieties the pollen of the male flowers fertilizes the female flowers of the same receptacle, and the fruit matures; but with other varieties, notably the Smyrna, this process does not become complete, and the fruit drops from the tree when half grown. So inferior has been the fruit of the Smyrna fig when grown in California, that the question is seriously raised as to whether the true Smyrna fig has ever reached us. Of this, however, there is little room for doubt, as cuttings and rooted trees from authentic sources have been received and propagated in this State. Consul Emmett, of Smyrna, in his report says that in 1886 a party from California, apparently well posted, went there in the summer, visited the fig district, and inspected the different varieties; he made his selection, and marked the trees from which he desired cuttings. When the crop was gathered he obtained thirty thousand female and three thousand male cuttings, which were packed and shipped about the end of October. To still further set at rest the question of the authenticity of the Smyrna fig in California, during the past year the State Board of Horticulture procured direct from Smyrna a shipment of fifty well-rooted four-year old trees. These arrived in excellent condition, and were distributed over the State. Over two thousand applications for trees were made to the Board, and out of these careful selections were made, considering locality and facilities for cultivation and care. Reports received from some of those who received these trees show that they have done well, in some cases a growth of over two feet having been made. The wide distribution of these trees gives an assurance of a thorough trial of the Smyrna fig in the various sections of the State, and a guarantee of the spread of the genuine fig of commerce.

That we have growing in this State the genuine Smyrna fig tree is almost beyond question, but whether it will ever prove profitable is still a question. It is claimed by some that the dropping of the immature fruit is due to lack of age in the trees, and by others to the incapability of self-fertilization in this variety. In Asiatic countries it has been the custom from time immemorial to hang fruits of the wild or caprifig on the limbs and boughs of the domestic fig tree, under the impression that the pollen of the male fig was conveyed to the female by means of a small fly known as the Blastophaga. While this practice is considered as an absolute necessity by the Asiatic growers, who inherited the tradition from their ancestors for a remote period, those who have given it a thorough scientific investigation declare it not alone useless, but detrimental. This subject was exhaustively dealt with by Professor Gasparini, a translation of whose valuable paper thereon is given elsewhere. However, whatever good the Blastophaga may be capable of accomplishing in the way of assisting in the fertilization of the fig, California may now hope to participate in, for, owing to the efforts and enterprise of Mr. James Shinn, of Niles, we are now in possession of this insect.

The fig growers of this State were and had been anxious to have the insect introduced, so that its merits pro and con might be established. To this end the entomologist of the National Department of Agriculture was asked to procure the insect from Smyrna, as the facilities of Government officials in such matters are well known. In the June number

(1891) of "Insect Life" he says that efforts would be made to introduce the insect into our State, but as to what efforts were made nothing has been heard. I should not be surprised in the least if in some coming number of some publication, he broaches the claim that the credit of introduction belongs to him, as scarcely a bug has been introduced or discovered of which he has not claimed first credit, and, as one of our Congressmen expressed it to the members of the State Board of Horticulture, "He not only wanted to make me believe that he discovered the bug, but had also produced it." "What egotism! how selfish, oh man!" Officers of this kind should lay aside all ambition for notoriety at the expense of the public, and when their deeds become known the people will show them their gratefulness. But a man who has such a disregard for the truth cannot but be held in contempt, and if they could only see their vanity, how different things might be, and the Government would not be taxed with the burden of printing and circulating their vanities (an insult to science), and, furthermore, of employing an editor to prevent one man from appropriating the credit due to others; and why this state of things should be allowed to continue the public ought to know.

As to the manner of the introduction of the Blastophaga, I cannot do better than to give Mr. Shinn's own account: "We wrote to some friends that were known to us in Smyrna; or rather, some missionaries were stopping at my house, and seeing that my fig did not bear, and that I was getting uneasy about it, one of the ladies, my wife's sister, said she knew a lady from Syracuse, New York, who was then in Smyrna, and if she would write to her she would fix up a few of the fig cuttings and send them. The lady sent for them, and instead of sending a half dozen cuttings, sent a whole box of cuttings, on which I paid about \$100. After I received this box, here comes another little box and a letter, saying: 'The figs must be caprifigged; if not you will get no figs. I send you a little box of figs that are full of the Blastophaga, and hope you can do well with them.' The moment we got them my son went out to the caprifig tree, opened the box and set it out there. Some of the insects were dead and some were alive. I saw Mr. Eisen the next day, and told him about the Blastophaga and the figs. He and Mr. Maslin came to my place the Sunday following, July 26th. We examined and found some live insects, but most of them were dead. The Smyrna figs that were caprifigged, that is, that had the pollen put in artificially, came to perfection, but no others did. Two crops have all gone to the ground and are now on the ground, except about ten figs. The pollen that was injected into the figs was from the caprifigs grown on my place at Niles. There are two varieties of the Smyrna fig. One has a three-lobed leaf, and the figs are small and elongated. The other is a five-lobed leaf, and the figs are flat and roundish."

The ground for argument by those who believe in caprification, has been that no fertile seeds had been found in any California-grown fig. Also, that all figs, and especially the Smyrna, only contain female flowers; and the fact of fruit of trees imported from Smyrna not coming to perfection, gave them stronger grounds for such belief; that is, the pollen of the male, or caprifig, had to come in contact with the flowers of the female fig to produce fruit. Also, that the reason for not having found kernels in the seeds of California-grown figs was attributed to the lack of the pollen fertilization.

On October 20, 1891, while visiting an orchard at Los Gatos, I came across a tree which attracted my attention by reason of its being of peculiar foliage; and upon cutting the fruit I found that it possessed both pistillate (the female organ of a phænogam, consisting of the ovary with its stylus and stigma) and staminate (the pollen-bearing organ of the flower, consisting of an anther usually supported upon a stalk or filament) flowers, which were so grouped that the pollen from one was freely conveyed to the other. Thus fertilized, the female blossoms had developed into hundreds of perfect seeds with well-defined kernels.

This is the first time that fruit of this character has been found in this State; that is, containing both pistillate and staminate flowers, and the seeds perfect kernels. One of the specimens cut in the presence of E. W. Maslin, Secretary of the State Board of Trade, and G. F. Weeks, agricultural editor of the San Francisco "Chronicle," was full of pollen; in fact, the pollen was so abundant that it gave the center of the fig a yellow appearance. Unfortunately, the figs were not fully matured, so there was no opportunity to test their quality. On cutting them open they were of a decidedly purple hue near the skin, changing to bright red and to deep red in riper specimens. Hardly any red coloration was visible in greener specimens, the entire flesh being a deep purple. The fig is of elongated shape, rather small, and resembles the elongated fig grown by Mr. Shinn, both in shape and color of flesh. It has a leaf resembling the Smyrna, finely lobed.

Afterwards Mr. Maslin brought to my office several seedling Smyrna figs grown by him in Placer County. The specimens were small, of a bright amber color, and the fruits in the receptacle well developed and ripe. Upon examination they were found to contain numerous male flowers and considerable pollen. We have here two conclusive facts, showing that the insect is not altogether essential for the setting of the fruit, in some figs, at least.

This is a progressive world, and its people, step by step, have unraveled many of the most difficult problems; so let us hope that wisdom and ingenuity will in the near future solve this interesting question.

The subject of caprification of the fig is dealt with so exhaustively and ably in the report of Professor Gasparrini, that nothing further need be said of it in this place.

The fig is a deciduous tree, and requires about the same degree of temperature to ripen its fruit to perfection as does the olive, although it will ripen its fruit where the olive will not. In fact, conditions suitable to the one will be found favorable to the other. Its fructification and vegetation are uninterrupted where the temperature does not fall below 53 degrees Fahrenheit. Where the temperature falls below this the leaves fall, and the fruit presents a peculiar phenomenon. A branch only develops and ripens part of the figs borne upon it—those on the lower end, nearest the stem. The immature figs at the farther end of the branch have their growth arrested by the first cold weather, and remain dormant during the winter, resuming their growth the following spring, and ripening in the summer. These are known as "first figs," or "summer figs." Those which commence their formation in spring on the lower part of the branches are called "second figs," or "autumn figs." In our warm climate there are thus two crops from the same tree every year. In colder climates the "first," or "summer" figs form the whole crop, as autumn figs can only be produced in unusually warm seasons.

In a warm climate the autumn crop will yield most figs, which are sweeter, less watery, and better suited for drying than summer fruit.

The fig is the faithful companion of the olive and the vine, and where these two plants thrive it also grows and fructifies. It is necessary, though, that the plants be never subjected to a cold more intense than 14 degrees Fahrenheit. If the temperature exceeds this limit it is necessary to head the fig very low, as is practiced at Argenteuil, in France.

VARIETIES.

The long cultivation to which this plant has been subjected, in greatly different countries, has given rise to a very large number of varieties, a few of which only were known to the ancients. In fact, Cato mentions but six, and Pliny, two centuries later, carried the number to about thirty. Thus, by the side of the figs of Tivoli and Herculaneum, mentioned by this writer, are indicated those from Rhodes, Lydia, Hyrcania, and others, which, like the *Liviani*, the *Pompeiiiani*, got their names from their introducers and propagators.

To-day the number of fig varieties is so great that it would require a long study to be able to describe them all, and such a task would not be one of the easiest, inasmuch as a great many of these varieties possess some peculiar characters and habits, which might be observed and recognized through experience, but could not be described exactly without much difficulty. Suffren, who lovingly devoted himself to the study of the varieties of figs which were cultivated in Provence in his time, found that their number exceeded several hundred. The figs may be classed into two large groups, the first of which comprises the varieties that yield only one crop of fruits a year, be they early or late, and the second, the other varieties which to the first yield add another, called September fruits, to distinguish them from the first, which are called flower, or first figs.

The fig will do well in any soil, but prefers a dry, friable earth. In fact, it will do well on a greater range of soils than will most of our orchard trees. Black, heavy adobe soil, however, should be avoided, as should also damp, marshy land. The fig tree requires a good deal of moisture, but not too much, and will frequently show its best results in the irrigated foothills.

The conditions required for the production of figs for drying purposes are far more exacting than are those required in the production of fruit for table use. The latter will thrive and yield good results under conditions unfavorable to the former. Table figs can be produced over a large area of the United States, covering most of the Southern States; but it is not probable that California will ever meet a formidable competition in the production of dried figs, in which she will yet excel. Travelers who have visited both sections remark on the great similarity of the soil and climate of our interior valleys and those of Asia Minor, where the best dried figs are produced. The seasons there, as here, are divided into the wet and dry. The winter rains commence in November, and continue until the following May; from May until October is the dry season, during which season rain rarely falls, and the ripening and drying of the fruit is not retarded. Occasionally heavy showers fall during the summer months, and these are as much dreaded there as are their counterparts in California. In the favored localities of

Smyrna the thermometer's extreme range is from 90 to 100 degrees in the shade; 130 to 140 degrees in the sun as the highest, to 26 degrees as the lowest. A heavier frost, however, will not do serious injury to the tree or injure the crop.

The same climate that suits the olive is favorable to the fig—a warm climate, where excesses of heat and cold do not exist. It is worthy of note that on the right side of the Rhone, in France, figs do not develop very well, the fruit remains small, and is not good for drying; whereas on the left side, and from the Rhone to the Italian frontier, figs attain a far higher degree of quality; they are larger, sweeter, more delicate, and are excellent for drying. The explanation of this fact is that the plains and districts on the right side of the Rhone are not sheltered by hills as on the other side. Sheltered hillsides are very favorable to fig culture, and exposure to cold winds is not conducive of good results.

The soil in Smyrna and vicinity is very variable. It contains a fair percentage of lime and potash, but is otherwise of various qualities. The most luxuriant growth is obtained in a deep, rich soil, but the best figs are grown on a soil which is made loose and porous by a fair admixture of sand. A sandy loam is thus the best, probably because the drainage is here the most perfect. Such soils produce large figs, of a white, thin skin, of high flavor and great sweetness.

In aspect, the Meander Valley resembles our lowest foothills—small valleys, separated by low ridges, during the dry season as uninviting as the foothills of the Sierra Nevada or the Sierra Madre. Some of the fig orchards are planted on hill land, and some in the valleys, neither locality having any decided advantage over the other. The valleys and plains generally give thickest skinned fruit, the skins of the mountain figs being considered thinner. In rainy or foggy weather the mountains or hills dry up the fastest, in this respect showing a decided advantage over the low, perhaps swampy plains.

PROPAGATION.

The propagation of the fig is very simple, and can be multiplied in various ways, viz.: by suckers (shoots that spring from the roots), by layers, and by cuttings.

Suckers.—The young shoots that spring up from near the base or crown of the tree, are called suckers. They generally contain a small portion of roots, which, upon being transplanted, soon form trees. The wound made on them by removing from the parent tree soon heals over. There are, however, great objections to trees produced from suckers. First among all is, perhaps, the fact that the sucker generally contains a portion of bark from the parent tree, from which many shoots or suckers put forth; also, the growth is not well formed, resembling water-sprouts, having but a feeble body, and as they are required to be topped in order to branch out, put forth feeble shoots which the body of the tree cannot support. In such cases it is best to allow such trees to grow the first year without trimming to form their body, and the second year the trees can be pruned as desired; in this way they become more healthful.

Cuttings.—There is no better way to propagate the fig than by the simple method of *cuttings*, which is the most practical, and above all the best. By this method nearly every part of a tree can be utilized.

The best season for the propagation of the fig by cuttings is through the months of February and March, the cuttings at this time being taken off while the trees are quite dormant. Great care must be taken that no cuttings be cut after the sap is in motion, because the milky juice which is produced so abundantly prevents the rooting of the cuttings. This, however, has no reference to young shoots in summer, which, towards autumn, when the wood is ripening, root very readily. The best cuttings are from stubby, short-jointed, well-ripened wood; they grow the most readily. One-year old wood is generally the best age for cuttings, although two and three-year old wood also does remarkably well, though no eyes may be visible. The long, spindling, badly ripened shoots, like water-sprouts, suckers, and such as are produced where the wood is crowded, are very difficult to make grow, and those that do grow require age to become thrifty trees.

PRUNING.

Pruning should be performed as soon after the fall of the leaves as possible, in whatever situation the trees may be. When trees are pruned at that season, they being then dormant, no injury is sustained; while if the operation is delayed until late in the spring, when the sap is again in motion, and there being such a volume flowing, the shoots are apt to die after being cut. The success of the fruit crop greatly depends upon the method of pruning.

It has often been claimed that the fig tree never bears when once pruned; this is, to a certain extent, correct, but the real cause is entirely owing to the immaturity of the wood, caused by pruning, which fails to produce fruit, or to the fruits being produced and failing to ripen. If the fruit-bearing shoots are cut back the first crop of fruit is destroyed.

Fig trees having non-bearing shoots can be pruned without any loss of fruit. If a fig tree is pruned to any extent, there will be a loss of the crop; however, such operation at times must be performed to keep the trees well balanced and within form, although this only affects the crop of one season. After the tree has been properly balanced and shaped, whether high or low, then pruning can be effected the following year with a certainty of a crop the same season; in such case the shoots must not be cut, excepting just a few here and there to keep the tree well balanced.

All such shoots which bear only wood buds should be cut back, and, if necessary, cut out entirely, as they only take away nutritious sap which should flow into the fruit and into fruit-bearing wood. Branches of almost any age or size can be cut off from any part of the tree, and young shoots will be produced quite freely, but the cuts or wounds should always be covered with grafting wax or rubber paint, which helps them to heal over and protects the stock from the action of the atmosphere. If too many shoots are thus produced, they can be reduced when young to the required number.

FORMATION OF THE TREE.

The proper formation of the tree next presents itself for consideration, with a view to the simple production of fruit. The formation of the tree requires the exercise of knowledge and understanding. All fruit

trees which naturally assume a bushy form should have their energies confined to a single stem, with the head of the tree, of whatever character, formed thereon, and they always prove the most fruitful. When a number of shoots are allowed to spring from the root, all striving to outstrip one another, a huge unshapely bush is the result. Fig trees, as a rule, produce suckers (shoots from the roots) in abundance, which, even if they have a fine, healthy appearance, should not be allowed to remain; they produce no fruit and only crowd and rob the parent stem. The confining of a plant to a single stem is of the utmost importance for the production of fruit of nearly all fruit trees, and is especially so with the fig. The trees can be trained either with high or low trunks, after once being formed; pruning then becomes less, requiring only thinning out and occasional shortening of some of the branches. The pruner has, however, great difficulty in contending against the over-luxuriance of growth of trees grown on damp soil. In such cases it is necessary that the pruner should guard against over-luxuriance, by keeping the shoots on the tree thin and well exposed to the full influence of the direct rays of the sun. The trees should also be prevented from extending beyond bounds, even if heavy cutting has to be resorted to. Where trees grow under such conditions (too luxuriantly), the young growing shoots should be vigorously pinched back through the summer, in order to check luxuriance and bring the tree into a stubby, fruitful form of growth.

PRODUCTION OF FRUIT.

The first crop of the fig is borne on the wood of the previous season's formation. That of the second, or succeeding crop, is produced in the axils of the leaves on the wood of the current season's growth. Frequently remnants of the last crop of fruit of the previous season are seen on the trees after the fall of the leaves in autumn; these are those which failed to arrive at maturity, perhaps through want of heat or the proper conditions required at that time. This fruit is not worth consideration; sometimes a few, under very favorable conditions, remain on the tree and ripen the season following, but this is very seldom.

PREPARATION OF THE FIG.

Fresh figs are toothsome fruits, but little nutritious, and sometimes rather indigestible. The dried figs are the most valuable. These are prepared either by artificial or natural heat. The experiments made during this and former years proved conclusively the fact that natural heat is the best, and produces better fruit. Before mentioning the processes in use in this State, I will briefly describe the processes in use in foreign countries; and while many, and, perhaps, most of them could not be put into practice in this State, many good ideas are derived from them.

The Tuscans dry them loose, and make loaves of the whitest and the sweetest. In the southern provinces they are strung on small canes or flexible branchlets of holm oak or of other plants.

The same mode of operation as in Tuscany is followed in the Marches, in Umbria, and in the Abruzzi, and if there be any difference, it exists only in the divers varieties of fruits used and the manner of handling and dressing them.

At Naples, as already stated, the production of dried figs is rather insignificant, owing to the great consumption of figs in the fresh state. This industry, however, begins to assume a greater importance in some parts of the province, as, for instance, in the district of Pozzuoli, concerning which the Agricultural Association reports as follows to the Ministry:

"The dried figs confected in this district are to be considered as a commercial product, both at home and abroad, but the export is very limited. The preparation of dried figs is simple. As soon as gathered the figs are dried, some peeled, some in their natural state, and others divided in halves down to the stalk; the latter are afterwards united in pairs, or else made into various shapes, such as small slabs, hearts, and the like. Those which, on account of rain or other circumstances are not in a condition to be dried in the open air, are put into ovens.

"The figs thus prepared are thin, light, and of very agreeable taste, because grown on a volcanic soil, and they command a higher price on the Naples market than the dried figs from the Calabrias and other localities."

In the neighboring province of Salerno the production of dried figs begins to acquire a greater importance; that is to say, in some places, since in the district of Campagna, according to the Agricultural Association, the figs are not fit to be dried. On the other hand, the figs prepared in the Vallo of Lucania are esteemed, and the Agricultural Association speaks of the industry:

"The fig thrives pretty well in the southern part of the district, and particularly on lands bordering the Mediterranean Sea. Its production constitutes one of the leading articles of trade of these places, and the dried figs of Agripoli, where there is a landing at which ships take on their cargoes, are renowned abroad, especially in France and America.

"The system of desiccation is very simple. The figs are gathered when well ripe, spread over a lattice, and exposed to the action of the sun. Care is taken to turn them over alternately every two days, and subsequently the more perfect are separated from those that are less so, the first constituting the better quality and selling at a higher price, while the second are dried in an oven at a moderate temperature, and form the inferior grade, selling at a lower price."

Where, however, the preparation of dried figs assumes really the character of an agricultural industry, being carried on on a rather large scale, is in Terra d'Otranto and in the three Calabrias, that is to say, in the provinces of Cosenza, Catanzaro, and Reggio.

The production of dried figs is of great importance in the province of Lecca, and we find, in the reports of the Chamber of Commerce of this country, that in the only two communes, that is, those of Cutrofiano and of Galatina, there was prepared, some years ago, about one million two hundred and fifty thousand pounds of this produce, and that the increasing planting of figs foreboded a sensible augmentation. But there, also, the preparation of this class of goods could be much improved; and, in fact, we read in a report by the Agricultural Association of Lecca:

"The preparation of dried figs should be still further improved by introducing among us appropriate hot air stoves to accelerate the desiccation of spotless fruit, especially in rainy summers, and when the harvest is very plentiful and of good quality, and to prevent the easy fermentation which often takes place during the natural desiccation under the

burning rays of the sun; as also in the matter of æsthetics, that is, the external appearance, since our figs may be served on the table, and are not merely used, as is sometimes the case, to make alcohol."

Three Agricultural Associations of the province of Cosenza have sent the following answers to inquiries from the Ministry on this subject:

The Agricultural Association of Cosenza: "The dried figs represent for this province a pretty important article of export trade. The preparation of these dried figs is very simple. They are dried in the sun, and then packed in small baskets made of strips of chestnut wood interwoven very closely. The method of drying, though simple, is undoubtedly uncertain, and it frequently happens that in the latter part of summer, or at the beginning of autumn, the figs cannot be dried, and spoil, owing to repeated and excessive rains; people then have to resort to the artificial heat of ovens, and the fruits prepared in such a manner fall sensibly in price."

Agricultural Association of Castrovillari: "Although the soil and climate favor the cultivation of the fig in this district, it cannot be said that the product of confected dried figs forms the object of a large trade, either at home or abroad. They are never prepared in any other way but by drying in the sun, and sometimes cooking in the oven, especially those of inferior quality, called *Fichi bruni* (dark figs), on that account."

Agricultural Association of Paola: "Some of the dried figs prepared in this district are exported, and a great quantity forwarded to the principal markets of the kingdom. The greater part of the dried figs put up for the trade are confected after desiccation in the sun. The figs are confected in various ways, being strung or made into a kind of tress, formed into small globes wrapped in fig leaves, or shaped like stars. Some are stuffed with walnuts or almonds and seasoned with thin shavings of citron peel, or cinnamon or cloves, and then put into the oven to serve as sweetmeats; or else they are dipped into honey and cooked in a copper-lined kettle or pot, being afterwards put up in varnished earthen vases. The dried figs, prepared according to the latter method, are sent as gifts to friends, and a very small quantity finds its way to the markets of the principal cities of the kingdom and of foreign countries. These figs are dried only when perfectly ripe, and care is taken to preserve them from the inclemency of the weather and from the dew, as well as from white frosts. The communes of this district which do not sell any, are: Paola, Amantea, Belvedere, Marittimo, Longobardi, San Lucido, Scalea, Cleto, Serra di Ajello, Fiumefreddo, Santa Domenica, Jalao, Maiera, Orsomarzo, and Verbicaro."

As to the province of Catanzaro, we reproduce here the careful and detailed report made to the Ministry by the Agricultural Association concerning all that which relates to the dried fig industry:

"The custom of drying the fruits of the fig is very old, and almost general in the southern regions of Calabria. The output of this industry—arising probably at first as an auxiliary means to relieve the economical wants of the poor country people during winter, their produce meeting with a general welcome where, by reason of climate, the fig does not grow—advances in proportion as it is favored by the physico-geographical conditions of the soil and the special skill of the farmers. The principles which regulate its progress lie in the selection of the species, in the degree of ripeness of the respective fruits, in the time of their gathering, and in the mode of drying them. Of the

many figs—counting over twenty-four varieties in this country—the only ones found, through experience, as fit for the industry we speak of, are the Dottati and the Petrongiano—the fruits of the second crop being mostly used; that is, those growing after the *flower fruits*, from the month of August to the end of September. None of the other varieties succeed here—giving products that are soft, viscous, unsavory, and which spoil in a short time. To the choice of varieties must be added the complete maturation of the fruits, which must be effected spontaneously and without violent means. In good practice the figs are considered as having acquired the desired degree of ripeness when they hang from their stalk vertically and are wrinkled on the surface.

“The state of the atmosphere when gathering is of the utmost importance. The best time for carrying on this work is immediately after sunrise, and properly after all traces of dew have disappeared from the tree. Damp air, white frost, and rain of any intensity endanger the success of the product. Having ascertained the maturity of the fruits and the favorable concurrence of the atmospherical circumstances, the gathering is proceeded with daily, particular care being had not to tear nor strip the delicate epicarps in any way, and to pick each fruit, together with its peduncle. This done, they are at once spread horizontally over large networks of canes previously arranged like raised floors, well aired, well sunned, and protected from the dust which the wind might cast over them. The fruits successively gathered are laid over separate lattices, in order that they may be all subjected to a uniform treatment. They are turned over several times a day during the whole period of desiccation, and care is taken to separate the smaller fruits, and those of poorer grade or decayed. After twelve or fifteen days of such treatment, the figs, owing to the evaporation produced by the solar action, become white and dry externally, pulpy and sugary internally, properties which they preserve for several years, especially if not kept in fresh places and exposed to the air. In fact, arranged in baskets of the moderate capacity of thirty-three to forty-four pounds each, they withstand long journeys by land and by sea without spoiling at all. There are many here who, to advance more diligently the drying of the figs, cut them vertically into halves, and after desiccating, readjust them in their natural position, and form them, by the aid of small cane sticks, into rectangular tablets. Often there is introduced between the two parts of the fig bits of walnut or small pieces of candied citron, to make them agreeable to the palate.

“Whenever the season is rainy at the time of ripening of the figs, the desiccation is made in ovens, this being done also for the fruits that are too backward or become spoiled through any cause. These figs, although of lower grade, acquire yet an exquisite savor, and are much in demand among the poorer classes.”

There are, in Reggio di Calabria, great areas of land planted to figs, and, therefore, the production in that country and the quantity of dried fruit is great. Speaking of this industry, the Agricultural Association of the chief town of that province thus expresses itself:

“The confection of dried figs is effected in our country by gathering the fruits when perfectly ripe, and especially those of autumn, the *seconda mano*, or second crop.

“From these the largest are chosen, cut in two lengthwise, spread over large hurdles, and exposed to the sun to dry. When the figs thus

prepared appear dried, they are strung on small canes, forming tresses of various sizes, or made into squares, called *tavolieri*, or similar odd designs.

"The smaller figs are dried whole as picked, and preserved separate, they being known under the name of *cuzzoli*."

Other notes on the same subject are furnished by the Agricultural Association of Palme, which says:

"The figs grown in this district are eaten fresh, and what little is left over are dried for winter use in well-regulated families. As a general rule, the dried figs consumed in this district come from the neighboring district of Gerace, where there are very large plantations of that sort of tree. The preparation of these figs is effected with little care. The larger ones are cut longitudinally down to the stalk, and spread confusedly over small hurdles. These are exposed to the sun, and in the mountainous regions, where the figs are late in ripening, their desiccation is completed in bake ovens.

We have also reports from the Agricultural Association of Gerace on the importance of the production of dried figs, which is said to be a source of great profit for the district. The figs grow to perfection in that territory, but, as confessed by the association, their drying is rather defective. Generally the figs are picked when imperfectly ripe, then cut in halves and exposed to the rays of the sun over hurdles, care being taken to turn them often. After the fruits thus treated are dried, they are strung on cane strips, or else on thin green withes, and exposed anew to the sun, or to artificial heat, to complete their preparation.

The soil and climate of the greater islands, Sicily and Sardinia, are no less adapted to the culture of the fig than those of Calabria, and the production of this fruit in that part of the country is large.

The Agricultural Association of Palermo says that the best quality of dried figs produced in this province come from the communes of San Fratello and Pollina, in the Madonie. The preparation is of the simplest, and generally solar heat alone is used. "As to the preparation," says the association just mentioned, "the figs most prized are those disposed in tablets, which last longer and are preserved better. They have also those that are cut and then arranged in pairs in form of tresses, which become mellow and preserve a greater quantity of saccharine matter. There are, lastly, the figs called *Messinesi*, or *Neri*, which are dried separately, without being cut, and, as they preserve their skin, become coriaceous, and keep longer than the others."

For the province of Messina, we have the following notes from the same Agricultural Association:

"The dried figs of this district may be considered as a commercial product intended more for home consumption than for export. In fact, some small vessels from Trapani and Naples come into the port of Milazzo, in the month of October, to take cargoes of this produce and transport them to Trapani or to Naples. The islands of Lipari, which give the most exquisite figs of the district, send also their small production abroad. The city of Messina, on the contrary, receives dried figs from the nearest Calabria. Everything considered, however, we can reckon that the production is limited to the consumption of the inhabitants.

"The dried figs are prepared in the following manner:

"The figs are picked rather ripe; then they are cut through the mid-

dle with a knife and spread over hurdles in the sun. The fruit being dried internally, the side of the skin is turned up. When well dried the villagers perform the operation of putting the fruit *a pania*, as they commonly call it there. The *pania* is composed of the sixth part of canes cut to a point, all the figs being fixed two by two, between two of these canes; thus they form quadrangular plates about twenty inches in length, and of the width of a fig that has been opened and spread out; that is to say, about four inches. These *panie* are exposed for a few days to the sun so as to dry them still better. The harvest and desiccation being wholly completed, the farmers wash all the *panie* with fresh water and set them out in the sun for another day. All this being done, the figs are preserved for the winter in chests or pantries, or else they are sold to speculators."

Information still more precise than the preceding is given for the province of Catania by the Agricultural Association, which, in answer to queries from the Ministry on this subject, thus expresses itself:

"The cultivation of figs is rather extended in the district of Catania, and especially in all the *allodii* (freeholds) of the Etna region, where the fig is spontaneous. Many are the varieties of figs, both early and late, or backward, grown in this district, and the markets are supplied with fresh figs from the end of July to the end of December.

"The first white figs are called *Auttati*, better named *Agostani*, and the black, *Fichi melongiane*; the last are black and small, and are called *Nataline*, or *Natalinedde*, because they ripen about Christmas time.

"The fresh figs are consumed where they are produced, being as healthy a food as grapes and the opuntia (Indian fig or prickly pear). Part of the fresh fruit, however, is exported outside the province, particularly to some places in the provinces of Syracuse and Caltanissetta. Both the white and the black figs which ripen in the months of October and November are dried.

"The desiccation is done in two ways. If the fig be small, then it is dried whole with the peduncle; but if large, it is opened in two with a knife, and thus reduced it is exposed to the solar rays over hurdles, the fleshy part up. In the first case, the figs are said to be dried *a passuluni*; in the second, *a chiappa*.

"As soon as the figs are deprived of that honeyed juice which renders them rather soft, they are subjected to the following treatment: The *passuluni* are strung on thin rushes, or on twigs of *ligara*, called, also, *liami*, or else on slivers of cane, which are disposed in squares, that is, the slivers are fixed to two strips of ferula. The figs *a chiappa* are formed by the reunion of two figs, placed one above the other on the fleshy side, leaving outwardly the side of the skin. In this manner the two halves of the *chiappa* are pierced through the center by *ligara* or *rushes*, as above, and the *chiappa* are then superposed one over the other. The *passuluni* and the *chiappa*, having been united, water is set to boil; and while boiling, the figs thus prepared are immersed into it for a few minutes, in order to prevent any fermentation that might take place, and then they are put out anew in the sun to be dried again. This done, the *passuluni* squares are put away in dry places; those that are strung are rolled together spirally, and the same is practiced for the figs *a chiappa*, thus giving wheels of *passuluni* figs and of figs *a chiappa*, which are named *scerti di ficu*, and are preserved as the best.

"In some places the white figs are distinguished from the black, and

there are then white and black *passuluni*, and white and black *scerti di ficu*. Sometimes, when the figs are big and pulpous, they are dried in *scerti* stripped of their skin; then they are called *ficu senza scorcia*.

"The dried figs serve as a food to both the rich and poor, in winter and spring; they are not used later, since the dried fig is held as heating. The dried figs are also exported; thus, from Porto di Catania shipments are sent to the Calabrias, and even to Malta, from whence they are transported to still more remote countries. The dried fig industry is more extended than that of prune, and that of dried *opuntia* (Indian figs), which are also produced in the district of Catania."

The production of dried figs is less important in the province of Syracuse, concerning which the Agricultural Association says:

"In this district the greater part of the figs are consumed in the natural state. What little are dried are put up expressly for local consumption. The dried figs are prepared by exposing the fruit cut in two to the action of the sun until perfectly desiccated. As soon as dried, the halves are pressed together, and the reunited figs strung one over the other on strips of canes or pointed switches; then they are plunged two or three times into boiling water, care being taken to dry them anew in the sun afterward. This operation being completed, the dried figs are offered for sale."

As to the singular practice of immersing the figs in boiling water as soon as dried, it is explained in another report of the association aforesaid, in which we read: "They (the figs already dried) are plunged into boiling water to destroy the myriads of minute eggs deposited over them by insects, when the fruits are out in the sun."

The same Agricultural Association adds, that in some parts of the southern provinces, and perhaps, also, in the islands of Sicily and Sardinia, the dried figs are strung on thin and sharp twigs from the *Lycium europæum*, vulgarly *Spino santa*, or *Spino di Christo* (holy thorn; thorn of Christ), which grows spontaneously in hedges in the olive region, and in speaking of the systems in use, says:

"The marked difference in price is not due entirely to the diversity of material, but rather to carelessness and to the imperfect methods followed among us in drying the fruits, as also to the negligence brought in putting them up and giving them the final touches before offering them to the trade. The French and Spanish put up their products in such a way as to give them a nice appearance, even if the quality of these products be not of the best. Among us, on the contrary, even the products of excellent quality are most often thrust confusedly into baskets, bags, sacks, or other vulgar recipients, and seldom are they gotten up in a more decent and proper manner.

"The bad systems of preparation in this country are the causes that dried fruits, and especially the figs, which represent the greater part thereof, are called for abroad almost exclusively for distilling purposes, and to make coffee powder or other similar articles. And this will last as long as no improvement is made in the modes of desiccation, and until drying in moderately heated dry-air stoves, as is done elsewhere, be substituted for the imperfect methods followed at present. Our people trust in the power of the sun; but if it fails, the fruits ferment and sour before drying, and they at least lose their fine appearance. Then, what cannot be dried in the sun are put into ovens, which are so strongly

heated that the fruits laid therein are almost carbonized. Whatever be the mode adopted, there is usually too little attention paid to the cleanliness of the hurdles or the tables over which the fruits are spread to dry, they being left for a long time exposed to all sorts of injuries on the part of insects, and covered with so much dust as to render them black and repulsive to look upon."

Concerning the cultivation of the fig tree in Smyrna, Consul Stevens, of Smyrna, reports:

"The cultivation of fig trees in the neighborhood of Smyrna, and in the interior, is carried on to a considerable extent. With the exception of the district of Aidin, the figs are excellent while fresh, but lose their flavor when dried. The figs so well known in the United States, Germany, and Russia, are grown in the district of Aidin. When fresh, these figs are not palatable; when dried, they are delicious, and unrivaled by the product of any other locality.

"The planting of fig trees in the valley of the Meander, where are situated the fig orchards of Aidin, is performed in the following manner: Fresh branches (cuttings), about two feet in length, are cut from the tree, and planted in a field which has been previously tilled seven or eight times during the warmest months of the year. The fig cuttings must be put in the earth to the depth of about one and one half feet, and at a distance of about twenty paces one from the other. As each branch is planted, a stick of the same thickness must be put by its side to keep it straight. Three or four times yearly the field is tilled with a plow, and then it is sown with corn or barley.

"The fig tree gives fruit the seventh or eighth year of its growth, but does not attain its maximum of yield before its twelfth or fifteenth year. It thrives at a distance of fifty miles from the sea.

"The fruit, perfectly ripe and partly dried, falls from the tree by itself, and is collected by the grower and spread in the sun for several days, on an even and clean surface, until it becomes fit for the market. The figs of superior quality are those collected when perfectly ripe, and while the north wind blows. Each tree yields on an average from forty to one hundred pounds of fruit. Trees one century old usually yield from two to three hundred weight. What would seem extraordinary, is the fact that fig trees from Aidin planted in other localities never give good results; the trees grow well and become very strong, but yield fruit inferior in quality to the commonest local variety.

"The dried figs, packed in hempen bags of a capacity of two and one fourth hundred weight, are conveyed to Smyrna by rail and carried to the fig market, where packers and export merchants get their supplies. The fruit intended to be put up for export trade is carried to the packing establishment, where it is sorted into different qualities. It is then handed to workmen, who press it between their thumb and forefinger to soften and flatten it, and pack it in rows into small, shallow, wooden boxes or small drums. Packers in manipulating figs keep their hands wet with sea water, as it is claimed that brine hastens the sugaring of the fruit. Occasionally laurel leaves are placed between the rows of figs in order to improve their flavor and keep them free from moths. Figs of inferior quality are packed in wicker baskets or small hempen bags.

"In the transportation of fruits of all kinds from the plantations to Smyrna, or to the stations on the lines of railway leading to Smyrna,

camels are employed to good advantage, the highways not being in a condition to permit of the use of drags."

Consul Marston, of Malaga, Spain, reports that the process used in Spain consists in picking the figs when they are entirely ripe, and are cured by laying them on the ground upon straw until they are cured by the sun. They are covered each night to protect them from the night dampness.

Throughout France the fig tree is common; about Marseilles it is not an object of special culture. There they cull the fruit one by one, when perfectly ripe, with great care, to prevent them from bruising or severing the fruit from the peduncle. They are then laid on hurdles and exposed to the sun, and turned over every now and then until perfectly dried; that is, for a period of ten or fifteen days, as they claim that the least exposure to moisture would turn the figs black and reduce their value by at least one half. These hurdles are taken in every evening, to be again taken out every morning. The difficulties of the operation deter most of the farmers there from undertaking it, excepting those that own small farms, where everything must be turned to account, and they cultivate them themselves with no other help than that of their families. The Marseillaise is considered there as the best variety.

Consul Heap reports that the process of curing the fruit throughout Turkey consists of picking the figs when ripe and spreading them out to dry in the sun, the sugar which they contain in abundance being thus rendered available for their preservation, those of better quality being much pulled and extended by hand during the process. Thus prepared, the fruit is packed closely in barrels, rush baskets, or wooden boxes, for commerce.

Figs are grown largely in the province of Turkey, but the quantity is small compared with Smyrna. A considerable quantity of inferior kinds of figs find their way to the Austrian "chicory coffee makers" and the French brandy distillers. Much liquor labeled "fine champagne," "cognac," etc., owes its origin to refuse of the Smyrna fig market.

Consul Fottion, of Mytilene, reports "that the kinds of figs producing the figs of commerce there are the *Politika* and the *Asprokougouzza*, so called, *Politika* from Constantinople, and *Asprokougouzza* from their white seeds." These varieties there do not require any cultivation. The figs are dried in the sun, and afterwards are filled with almonds, pepper, and cinnamon, and are roasted on plates in ovens. Aromatic leaves of laurel are added to them, and they are then packed in boxes.

In Syria the process of curing consists in opening the fruit, either by hand or cutting them with a knife, and spreading them for three days in the sun, on dry ground or on a straw mat placed on the housetops. When dried they are placed in palm leaf bags and pressed as much as possible. The figs are not gathered until they are fully ripe.

In Aleppo the figs are gathered and spread on mats in the shade until they get dried, and are then placed in bags and pressed. The best are selected, and when dried are steamed to make them fresh, after which they are pressed between the fingers and flattened, and are strung on flaxen threads to be exposed for sale.

In Damascus the figs are dried in the sun, and are then cured by covering them with flour.

In Tripoli (Straits Settlement) the figs are gathered when fully ripe,

and after breaking the fruit a little at the top they are exposed to the sun until they become dried, and are then boiled with fragrant herbs, and stored for the winter.

In Central America the figs are gathered, after having fallen to the ground the previous day, and laid in the sun (on mats made of reeds) until dried, which takes four or five days. They are then put in closed boxes to sweat a little. Before packing they are spread in the sun just long enough to get warm, and are then pressed in seroons of rawhide. They do not pack in boxes, because they claim that the fruit gets worm eaten.

In Spain they cure the figs by gathering them when perfectly ripe and when they commence to dry on the trees. They are then placed upon lattice work made of canes, or slips of boards, or on rough straw mats placed on the ground, allowing, if possible, the air to circulate under them. The figs in a few days, when dried, are pressed one by one into shape, to facilitate their curing. When cured, and lastly, the figs are pressed downwards on a table to give them a round shape; then they are packed in boxes lined with paper.

CALIFORNIA METHODS.

I have carried on very extensive experiments in curing or processing the fig for the purpose of determining the best method among those now in use in this State, as well as many which are published as emanating from foreign countries, and supposed to be the true processes in use there. Through the aid of American consulates I obtained the foreign processes herein mentioned, as reported by the various associations. While these processes are not such as can be put into use in this State, conditions being so different, yet they have been the means by which our experiments have been furthered.

I procured fruit from many districts throughout the State and submitted it to nearly all the foreign processes, and in almost every instance they proved unsatisfactory; no doubt due to different conditions, climate, soil, etc.

During the past few years we have accomplished a great deal in experimenting, and have been able to process fruit that is considered the best in any market. This is true not only of the fig, but also of other fruits, and they are to-day selling far in advance of the foreign article.

The process in itself should be simple, and one that can be followed by growers, and also must be inexpensive. Of all the experiments made there were but two that I feel warranted in recommending, as they are simple and inexpensive, and such as can be put into use by the ordinary fruit grower.

Figs, as a rule, do not stand as much sulphuring as other fruits, and require the most careful attention. They cannot be transported any considerable distance to be processed, as they sour in transit, and then cannot be used at all. The only way that I find figs can be transported safely is by subjecting them as soon as picked to sulphur fumes. This stops fermentation, and after the figs have been exposed to the sun for half an hour or an hour, they can be packed and shipped to their destination; but the packages should not be large, as the heat generated in bulk would again start fermentation, which even reëxposure to the sun

would not check. It is not necessary to sulphur figs more than ten or fifteen minutes. As stated before, they will not stand as much sulphuring as other fruits.

Figs grown on low, moist lands which are not suitable for fig culture, change their characteristics, so much so as to deceive some of the best experts in fig culture. Those grown on soil of a higher altitude and under most favorable conditions also change, and this has caused many to believe that they have produced something new, and to give the supposed novelty a name of their own. This has greatly added to the already much confused nomenclature of the fig. The figs grown on low, wet lands, and in low lands in the valleys, I find to have a much thicker skin, a larger cavity, and while the fruit is much larger, it contains a superabundance of moisture which, after being picked, if the fruit is not properly treated, becomes sour; while those grown on lands suitable for fig culture and of higher altitude, possess much better keeping qualities, contain much more saccharine matter, remain more moist without souring, and in every respect are much better figs. In drying, these show about as follows: The figs grown on low, wet lands become coarse, with less pulp and much tougher skin; those grown in a higher altitude, and on valley lands suitable for fig culture, are generally not as large, but the grain is much finer, the skin much thinner, the fruit contains much more saccharine matter, and when dried does not resemble the fig of the same variety grown under unfavorable conditions, on low, wet lands, excepting in some of its botanical characteristics. Those grown on low, wet lands are generally lacking in flavor and are unpalatable, and appear in many instances as if part of the inside had been squeezed out; while those grown under better conditions are very fleshy, so much so that when pressed they burst out at the end; while the former in being pressed show but little inside and the skin seldom bursts.

There is such a confusion in the nomenclature of the fig, that for the present I shall not mention any variety but the White Adriatic (Cal.), this being to-day the best fig in California, as far as we know, for drying.

During the past few years a great many fig trees and cuttings of many varieties have been imported into this State. After they began fruiting, nurserymen and others, having become confused as to their origin or names, at once rechristened them, giving them popular names. In one instance I found the fig known, within a radius of a few miles, under at least seven different names, and no nurseryman had taken the pains to investigate its true name. I also found, upon investigation, that the same confusion existed abroad. The Minister of Agriculture for Italy found this same difficulty, and was unable, in his own province, to identify more than three varieties, yet, in that same district, more than one hundred varieties had been previously described by nurserymen and others.

The same confusion was found in the names of the fig tree and cuttings imported from France. Trees were once received from a district in France under certain names, and from that same district trees were received under entirely different names. Those varieties most prominent, however, although not more than a dozen, could be traced by following the California popular names that had been given them, but this would hardly be of any use, except for identification.

Conditions in this State are so varied that, as I have stated before,

figs grown in different localities change their characteristics so much as to prevent identification, unless by an expert in that line. In one of the valleys I found the White Adriatic (Cal.) grown under, what seemed to me, perfect conditions. The fruit was the largest of that variety that I had ever seen, but the color differed so much that not until I made a critical examination did I become convinced that it was the White Adriatic. The seams on the surface had opened very wide, and instead of the fruit possessing a light, yellowish green tint on its surface, it was as green as the leaves themselves. There had been several boxes of figs picked that were dead ripe—that is, they had wilted on the trees—yet among those boxes not a fig was found to contain any yellowish color whatever; everything was of a deep green color, yet all the figs were dead ripe. This, however, was a singular thing, and nowhere else had I ever seen this strange occurrence. Possibly it may have been due to certain climatic influences, or the forcing by irrigation; when such figs are processed they do not become as nice as those which assume a yellowish tint, unless subjected to strong sulphur fumes, which generally deteriorates the quality of the fruit.

In the coast counties the fig ripens much later than in the interior valleys, generally commencing to ripen when those in the interior valleys are nearly or about gone.

The following are the two processes which I think can be put to use by the fruit grower, and such as make good and marketable fruit. The greatest care must be taken in the preparation of the fig, as any neglect will cause the loss of a great deal of fruit.

First Process.—The figs are allowed to shrivel on the trees, then they are picked and placed on trays, bloom end down. The trays used are made of slats to allow ventilation from the bottom. The fruit is generally cut with a sharp knife or shears, but a man, after having worked awhile, can pick the figs without the aid of a knife or shears, by a simple twist of the fingers. The trays, having been filled, are placed in the smoke house. These smoke houses should not be too large, and neither should the trays, for it is difficult to handle such heavy fruit, and this also prevents bruising. After the trays have been placed in the smoke house the door is shut, and the sulphur lighted and allowed to burn. The greatest care must be taken in the amount of sulphur that is burned, for if too much is used the figs will have a smoky taste, and the figs will become bleached; if not enough is burned, the sulphur cannot act on the figs, and when dried will not possess that light color so much desired, but will retain part of the greenish tint, especially the part that rested on the trays. The sulphur should be burned at least two feet below the lower tray to prevent any from depositing on the fruit.

There is great diversity of opinion as to the length of time the fruit should be left in the sulphur box, or smoke house, and also as to how long the mass of sulphur ignited under it, which produces the fumes, should remain burning.

Fruit cannot be well sulphured or fumed in less than ten or fifteen minutes from the time it is placed in the box, as at least ten minutes are required for a mass of sulphur to generate enough fumes or smoke to entirely fill every space of the smoke house. However, after the box or house is filled with fumes, five to ten minutes longer should be enough time for the fumes to accomplish their effect; it could do no further good if the fruit should be allowed to remain a longer time. The object, there-

fore, in leaving the fruit in the sulphur house a longer time is for the purpose of allowing it to undergo an artificial sweat to reduce the skin, which is done by the heat generated by the inclosed fumes. This is a great advantage, for after the fruit has gone through this artificial sweat and been placed in the sun, the skin is reduced to a minimum, and the fruit turned somewhat transparent.

The sulphur must not be burned too near the fruit, as considerable pure sulphur is liberated, and the bottoms of the trays being open, considerable fruit would be damaged by coming in contact with the liberated sulphur. The fruit on the lower tray, instead of bleaching out white, will become of a pinkish color, and will not dry. Such fruit generally remains in the sun puffed up, seemingly full of air. The reason for this is that the fumes of the sulphur are heavy, and take with them considerable pure sulphur, which is liberated and is deposited on the fruit.

It is impossible to determine the exact amount of sulphur to be used. After the room is well filled with smoke, which can be seen through the trap-door, it is about time to withdraw the sulphur-pan. The smoke or fumes are not allowed to escape, but the fruit is allowed to remain, with closed doors, till it is taken out and placed in the sun, and should not remain more than twenty minutes.

I find it best to pick the fruit in the morning, for after it has been placed in the smoke house and once been subjected to the sulphur fumes, it may be placed in the sun, where it bleaches out beautifully, much better than it would later in the afternoon, as the hot rays of the sun are an advantage. The fruit picked and sulphured in the afternoon, by the time it is placed in the sun, the sun will be so weak that the fruit will not bleach out as well. Those placed out in the morning make a much better fruit—pliable, soft, and the skin is reduced considerably. After the fruit has been exposed to the sun for an hour, it is turned over by hand. This is done to allow the part resting on the trays to also become bleached, as that part will retain its original color if not turned over.

After the fruit has been out two or three days it is time to handle it; that is, the fruit can be rolled between the fingers, which is called, in many instances, "finger pulling" or "rolling." This is done to prevent the figs getting hard in drying. The operation can be performed every day if the operator so chooses, but it is not necessary unless the figs have dried considerably. After the figs have been out at least four days, have dried away considerably, and have been turned over and rolled between the fingers from time to time, as above stated, they can be removed from the sun and placed in the shade. This prevents the fruit from getting hard.

After all signs of moisture on the surface have disappeared the fruit is placed in wire baskets and dipped into boiling water, the hotter the better. This dipping closes up the pores, kills all germs, and again reduces the skin somewhat, and gives the fruit a beautiful color. It is only necessary to dip the fruit into the water and raise it up immediately two or three times. If allowed to remain too long in the water it will be rendered sour, and a great deal of the true fig flavor will thus be lost, which must then be substituted by other means or the article will be inferior.

After the dipping the water is allowed to entirely drain off from the figs, and they are then thrown into a pile, either on a clean wooden floor

or table, or bins, and from time to time are shoveled backwards and forwards until they become cold. When the moisture has entirely evaporated it is then time to pack them.

It will be observed that in processing figs in this way there will be two or three grades of fruit, at least two; the first of the light pinkish color, and the second a much darker color. They should then be assorted, and the grades packed separately. The reason for this variation in color, is the unevenness in the drying of the figs on the tree. Generally in picking it is impossible to have the fruit of about the same degree of ripeness. That which has shriveled considerably will not become as light in color as the fruit that is less shriveled; in fact, the fruit that has not shriveled at all becomes the best color. The culls are assorted, and the best fruit put into boxes in layers, not artistically arranged, but simply thrown in, and between the layers fine white granulated sugar is dusted, and then the boxes put under heavy pressure. The sugar serves to cover up many defects in the fruit. These, after being packed a few weeks, become a good marketable article, which, of course, does not bring as much as the two grades above mentioned. The fruit that cannot be used in packing, that is, the discarded culls, is placed in barrels or sacks, and can be sold as hog feed, and for the purpose of making vinegar, to which purpose they are well suited.

Second Process.—The fruit is picked from the tree when it has shriveled considerably, and is placed on trays without sulphuring. The trays are made of slats, and placed on staging, which should be sufficiently high from the ground to allow a free circulation of air beneath the trays. It is best to place the bloom end of the fruit towards the rising sun, as that part requires more heat than the stem end. After the bloom end has dried, the stem end, containing very little moisture, will dry with less heat. This, however, can be done without much handling, as the figs, having been set all one way, and as the sun in the afternoon changes to the west side, the tray is simply turned around instead of the fruit. This brings the end of the fruit in direct contact with the sun during the hours of drying. After the fruit has been out two or three days "finger pulling" or "rolling" begins. The figs are rolled between the fingers, and turned over on the trays. This operation can be performed as much as the operator pleases without injury to the fruit.

After the fruit is dried it is placed in boxes in the storehouse; the boxes need not be filled to the top, and can be piled one on another. They are kept in these boxes for at least six or eight days, to allow them to undergo a natural sweat. Every day, however, they are emptied from one box into another, to allow the part resting on the bottom to come to the surface; in this way they never become moldy.

After the moisture among the figs has disappeared, they are ready for packing. They can then be assorted into as many grades as the operator chooses; however, it is unnecessary to pack more than three grades, and seldom more than two.

Before packing, the figs are dipped into a solution of hot water containing a little glycerine or glucose. This will serve to give the fruit a gloss which it does not possess before dipping. Bay leaves are placed amongst the figs in packing in the boxes, which serve to give the fruit an attractive appearance. It is claimed that they keep away insects, but such is not the case.

Use of Sulphur.—Sulphur is used, and the process properly should be

called "bleaching," as it bleaches the fruit. It is only the outer surface of the fruit that is exposed to the sulphurous fumes. These fumes destroy any germs that are attached to it, or produced right on the fruit.

The chemical action of the sulphur fumes is to bleach the fruit on the exterior surface; it does not enter the interior surface, as the fig, whether or not it be opened at the bloom end, is generally full of air, which prevents the sulphur fumes from entering, and even if they found entrance no damage would be done. The sulphur fumes determine the color of the dried fruits, and sulphur is used simply to stop discoloration of the outside and brighten the fruit.

The common method of burning sulphur under fruit and leaving it burn for a considerable length of time, to render the fruit transparent and of a light color, rather tends to detract from its true flavor than to add to its quality. Fruit should only be confined in sulphur fumes with the objects above stated. Figs are not cooked for eating, and differ in this respect from other fruits; therefore, the process should be one to retain that flavor so essential in a marketable article for consumption in a raw state.

The best method I know of for generating sulphur fumes, in the least time, consists in placing a heavy one and one half or two-inch iron plate on a small kerosene stove in the smoke house. When this iron plate becomes hot, but not so hot as to cause the sulphur to flame, the fire is extinguished, and the sulphur is spread on the plate. As soon as the sulphur comes in contact with the plate a dense smoke is liberated, which fills the smoke house in a few minutes, and in much less time than when ignited. It has also the advantage that gases and sulphur are not liberated and deposited on the fruit as when allowed to burn.

FOREIGN VARIETIES.

In the report of the Minister of Agriculture of Italy, for 1886, the following very interesting account appears concerning varieties:

We have the *Fico gentile* and the *Fico portoghese*, both precocious. The first is common, under the indicated name, in the Neapolitan district, in the province of Rome, and in the Tuscan province, in some parts of which, as at Pistoia, Lucca, and in Lunigiana, it is known under the name of *Fico d'oro* (golden fig). According to some, this fig, the earliest of all, would be the *Tiburtinus* of Pliny, or at least an analogous variety. The *Fico portoghese* is very common in the Florentine country, and does not seem to have issued from Tuscany, as it is not found in Liguria, nor in Milanese, nor in Umbria, nor in Romagna, nor in the neighborhood of Rome. It is uncertain whether it be cultivated in the southern provinces or in the islands.

The following varieties are backward and uniferous (yielding only one crop yearly): The *Verdini*, very common in Tuscany, and different from the *Verdini* of the Veronese and from the *Verdecci* of the Bolognese; the *Brogiotti neri* (black September figs), universally appreciated throughout Italy; the *Brogiotti bianchi* (white September figs) of Liguria, which some people esteem nearly as much as the delicious figs which come from Smyrna in the dried state; the *Fichi brianzosi*, native of Brianza, and much cultivated in Milanese, and finally, the *Datteri* (date) and the *Dottati*, the latter of which is deemed one of the most

exquisite varieties. It appears that the *Dottati* figs of the Tuscans, *Ottato* of the Neapolitans, does not differ from the one which Pliny says was brought by Lucius Vitellius from Soria to his villa at Alba, and which corresponds to the *Grascello* of Mattioli, to the *Binellone* of Spezia and of Chiavari, to the *Binello* or *Fico di Napoli* (Naples fig) of the Genoese, to the *Gentile* of Voltri, to the *Neapolitano* of Finale, to the *Datterese* or the *Calabria* of the remaining western Liguria, and lastly, to the fig *Della goccia* or *Della goccia d'oro* of the hills of the Lombardic Apennines from Voghera to Bologna.

The demand for Tuscan figs is very small, and for this reason they are mostly reduced into powder to make coffee, as is practiced in some parts of Germany. The variety used in the preparation of dried figs is called *Dottati*, which they peel (after that they are said *mondi*, clean) and dry in the sun, then season with a few grains of anise seed, and finally dispose in disks or loaves more or less large, resembling cheese in shape. These figs, besides their very sweet and delicate flavor, preserve a whiteness rarely seen in even the best figs imported from Smyrna or other places in Greece and European Turkey. At other times these same *Dottati* figs are not stripped of their skin, but they are cut in halves and seasoned with anise or fennel seed, and then united again two by two, or, as the Tuscans say, *a piccie*, or else they are dried, strung on thin branchlets of genet or osier (willow). The black-skinned figs are more common, and they are neither sliced nor seasoned, but they are dried in the sun; and if this is not sufficient they are put into ovens immediately after the confection of the loaf.

*Elemé** is not a variety, as many have been led to suppose. It denotes the method of preparation. Figs called *Elemé* are those selected of extra large size and fine appearance, and, as such, command higher prices.

Among the biferous varieties may be mentioned the *Fico albo* (white fig), very abundant in Tuscany, and grown also, but under various names, in the territory of Como, in Vogherese, in Piacentino, in Bologna, in Modena, and in Parmigiano; the *San Piero* fig of the Tuscans, which is the *Fico arbicone* of the Genoese, the *Nero* of the Sardinians, *Minna di shiario* of the Sicilians, and the *Fallogiana* or *Pitilonga* of the Abruzzese. Beyond the Apennines this fig does not seem to spread much, and, indeed, it is not known by either the Lombards or the Piedmontese.

THE FIG IN CALIFORNIA.

While a great deal of attention has been given to the fig in this State, it has so far been largely in the line of experimenting, and dried figs have not as yet been produced in any great commercial quantities.

* *Elemé*, a name given to Smyrna raisins; the best quality are known as "*Elemé*." Raisins of a somewhat inferior quality are known as "*Lexias*." (Enc. Brit., Vol. XX, p. 258.)

Elemi, a resin, thus termed in modern pharmacy, obtained by incising the trunk of a species of *Canarium*, found in the Philippine Islands, used chiefly in the manufacture of spirit and turpentine varnishes. The word "*elemi*," like the older term "*anini*," appears to have been derived from *enhaemon* (Greek), the name of a styptic medicine, said by Pliny to contain tears exuded by the olive tree of Arabia. This tree, according to Fluckiger and Hanbury, is probably to be identified with the *Boswellia Frereana*, or birdwood, which flourishes in the neighborhood of Bunder Marayah, west of Cape Guardafui. Mexican or Vera Cruz elemi, formerly imported into England, is afforded by the species *Amymis elemifera*, Royle; Mauritius elemi by another tree, *Colophonina Mauritian*, and Brazilian elemi by several species of *Icica*. (Enc. Brit., Vol. VIII, p. 122.)

Enough, however, has been done to show that California may hope ere long to include her fig products with those of her citrus fruits, prunes, and raisins, among the leading industries of the State. A prominent commission merchant of San Francisco, who handles a large amount of our domestic dried fruits, in speaking of the California figs, says:

"I think the outlook for the fig industry in California is very bright. The producers and packers have made great progress in the last few years in the cultivation and curing of this grand fruit, but for some reason they have either failed to discover the right variety of fig for the soil and climate of this State, or they have not yet attained the proper perfection in the process of drying. I am unable to say definitely where the fault lies, but am inclined to think that it is in the variety. There is no reason why California should not raise as good figs as any country in the world. In my opinion she has no superior in the production of olives and nuts, and I am confident that when we overcome the slight difficulties that now confront us, the fig industry will grow to great proportions.

"There is room for wide development right here in the local market, to say nothing about the territory beyond the Rockies. This is shown by the fact that there are imported into this market not less than one hundred tons of dried figs every year. What the producers must do is to supply a product that will take the place of the imported article. I am entirely confident that they will be able to do so, for I have seen California figs, particularly at the Marysville Citrus Fair, that were as fine in texture, color, and saccharine quality as any that can be grown on the globe. For all these reasons I regard the outlook for the fig industry as highly encouraging."

With regard to the quality of California figs, Consul Emmett wrote from Smyrna:

"A box of figs grown and packed in California reached here this autumn, and was inspected and universally praised by many dealers. In some instances it was impossible to persuade the parties that said figs were grown outside the Aidin district; in fact, some went so far as to designate the orchard. Those who grasped the full importance of this American enterprise predicted that Turkey's supremacy in the fig trade was waning. Some console themselves with the opinion that the American fig will not continue to be good; as the trees (grown from Smyrna cuttings) grow older the fruit will have thick skins and become tough; in fact, become native American figs."

The fig was introduced into California, with its companions, the olive and the vine, by the Mission Fathers. From whence the original stock came it is now difficult to determine, as a distinct variety of each has been developed in California, to which the name of Mission has been applied. The Mission fig is one of the best for all purposes grown in the State. In color it is black or dark purple, and this militates against it in the market as a dried fig. This is mere sentiment and simply because the most generally and best known to commerce—the Smyrna—is white or light colored. The Mission, rightly dried, is superior to all except the genuine Smyrna, and is, by many, thought to equal that. The tree is among the hardiest, strongest growers, healthy, and the most productive of all the fig varieties, and adapted to a wide range of soils. It can be grown nearly everywhere on this coast where the winters are not too severe. In the rich, warm interior valleys the tree grows very

fast and to a great size, and ripens two or three immense crops each season. It is suited to a great number of economical uses, and not as yet properly appreciated and utilized as it should and will be. It is a rich, nutritious fruit for man, beast, or fowl. Crops are as regular as the seasons.

The fig does best in this State back from the coast, and some of the best results in its cultivation have been secured in the Sierra foothills. Some very excellent figs have been produced in Fresno and Tulare Counties, while some of the best drying fruit in the State is grown in Placer, San Bernardino, Solano, and Ventura Counties. At Downey, in Los Angeles County, is a very large fig orchard, devoted to the Marselaise fig, a small, white, sweet fruit. Some of these trees are sixteen years old and bear quite heavily. These figs are disposed of in Los Angeles, where there is a good demand for this fruit for crystallizing and glaze purposes. Growers receive \$50 per ton for this purpose.

George C. Roeding, of Fresno, in a paper read before the Fruit Growers' Convention at Marysville, gives the history of the introduction of the Smyrna fig in this State, as follows:

"Among those who have taken a lively interest in this country in the fig business, I may say that the Fancher Creek Nursery has done a considerable share by importing and planting numerous varieties of cuttings from Smyrna and other places, and it is only during the last two years that any practical results have followed its exertions.

"With the introduction of the White Adriatic variety it was thought the problem had been solved; and while it cannot be denied that this kind produces one of the finest of table fruits, it must, at the same time, be admitted that when dried it does not come up to the standard of the imported fig from Smyrna, lacking in its most essential points, viz.: tenderness of skin and the flavor.

"The early conviction of this truth induced the proprietor of the above nursery to send his foreman, in the year 1886, to Smyrna for the purpose of investigating the fig business on the spot and obtain a variety of cuttings and all possible information for the successful prosecution of the business in this State. He remained in Smyrna four months, and, after considerable difficulty, succeeded in securing several thousand of the Smyrna fig cuttings, as well as quite a number of wild figs and a few of such varieties as are grown for home consumption, some being used in the green state, others dried. His trip and experience will probably be of interest, and the following is a copy of his letter of November 6, 1886:

"I am having no end of trouble. I find that I have been watched by the people here since first landing. The parties from whom I first engaged cuttings have refused to let me have any at any price, and I do not know what to do. I went to the American Consul for assistance. He informed me that I could only obtain the cuttings through a foreign resident, as the Smyrna people were much opposed to sending cuttings of any kind out of the country, for fear of competition. Seeing the utter uselessness of trying to secure the cuttings directly, I took out a hunting license, and, with a passport which I had used on a former trip, I, with Mr. Hall, a gentleman who had resided a number of years in Smyrna, started for the interior, and was successful in getting cuttings from Erbold (this is the valley where the finest figs are grown). I did not appear in the transaction at all, but was shooting in the orchard where the cuttings were being gathered, and kept watch of the Turks all the time, to see that the cuttings were cut from the right trees. From the valley I shipped them by the Aidin Railroad to Smyrna as licorice roots, the company refusing to take them unless consigned in this manner. On the arrival at their destination the packages were placed in the warehouse of the English Steamship Company, and there packed with sawdust, in boxes lined with thick paper, and shipped on a steamer bound for London.

"With the assistance of Mr. Van Lennip I secured the wild fig cuttings, and also quite a number of other varieties.

"After this gentleman's departure, the following appeared in the 'Oriental Advertiser,' published in Constantinople, of December, 1886, from their Smyrna correspondent:

"We often hear people exclaim, 'I don't care a fig,' as if they considered a fig a very small matter. Our American cousins, however, look at it from a different point; that is to say, from a commercial point of view.

"We always thought the fig growers of Asia Minor were jealous of any foreign competition, and we gave them credit for a certain amount of worldly foresight and wisdom; but we find that it requires but little of the gold dust of the New World to blind them to their own interests. The Americans have just succeeded in playing upon the dozing Smyrnaites a trick, which, no doubt, will prove of serious consequence.

"Some three weeks ago W. C. West, of the Fancher Creek Nursery, Fresno, came to Smyrna to make a study of the Smyrna fig, and also secure cuttings of that variety for propagation in California. Fortunately for his object, Mr. West, on his arrival, made the acquaintance of an Englishman, a resident of over twenty years, without whose assistance he could scarcely have succeeded.

"This resident, by his energy and determination, brought the affair to a successful termination. Besides the figs he took cuttings of other plants. This little incident serves to show that the Smyrnaites ought not to be so indifferent to such important matters. By this time Mr. West is on his way home with his cuttings, and for the sake of the Smyrna trade it is to be hoped that the fig will not take in California, though the chance is very slight.

"If it does, however, America will supply the European market with better 'Elemé' than Smyrna ever produced. Another matter, which should not be forgotten, is that American machinery will, no doubt, take the place of manual labor in packing. The prospect of losing the fig trade is a sad one, and should provide food for reflection for all who live by its product in Asia Minor.

"[We do not quite agree with our correspondent, for Smyrna-grown figs, pomegranates, etc., will never be anything else, namely, the best in the world. Seeds and cuttings may be taken to America or elsewhere, but a foreign soil will never be able to give the same nourishment and strength to the new product so that no difference would be known between it and the old. At the same time our correspondent is, no doubt, right about the want of precaution on the part of those who run a great risk in jeopardizing the Smyrna fig trade.—Ed. 'Oriental Advertiser.']

"After a journey of seven months the cuttings arrived in Fresno May 24th, in good condition. Much to my surprise, most of them had sent out numerous roots into the sawdust, which was still in a moist condition, having, no doubt, absorbed moisture during the transit across the Atlantic.

"On account of the lateness of the season, not more than about one third of the cuttings grew, the warm weather having already commenced. They were planted out in the orchard of the Fancher Creek Nursery the following year, where the trees are now growing vigorously in light, sandy, and well-drained soil."

That there is an ample market for our domestic fig production is shown from the fact that the United States is a large importer of the foreign article. In 1889 our importations were 9,101,300 pounds, and in 1890, 9,678,315 pounds, for which nearly a million dollars annually were sent away. This sum might as well be diverted into the pockets of California orchardists. It is estimated that the output of this State, in 1887, was about 90,000 pounds, and this amount has been increased until at the present time the product will amount to about 500,000 pounds. A great advantage offered to California producers is found in the fact that we have practically no competition in the Eastern market. The domestic product can be placed in the New York market a month or six weeks before the Asiatic crop can be placed, thus giving California an opportunity to dispose of her product before the Asiatic supply is received.

With the same energy that has been displayed by California in persistent experimenting with raisins and prunes, it cannot be questioned

but that California will produce as fine figs as any in the world. If the Smyrna will not give us this, we may yet hope for a California variety that will equal it. The industry is, as yet, a comparatively new one, the first carload of dried figs shipped to the East having been sent from Fresno, in 1889, and these sold at good figures. With this introduction, and persistent work, there can be no question but that in a few years California figs will take their stand side by side with California prunes and figs in the markets of the Eastern States.

The question of caprification, which is at present attracting so much attention, has been most ably expounded by Professor Gasparrini, referred to elsewhere, and the following is a translation from the Italian of his essay:

ON THE CAPRIFICATION OF THE FIG.

[The Royal Academy of Sciences of Naples proposed as the subject of an essay:

1. To examine the opinions of authors on caprification, above all, those of Cavolina and Gallesio, and to see what were the merits of the ideas and experiments of these men.

2. To describe the varieties of figs, especially those on which caprification is practiced.

3. To prove by experiment, or on anatomical or physiological grounds, whether the fertilization of the seeds is affected by the insect of the caprifig, or whether the insect produces no such effect and caprification be useless.

4. The essay to be accompanied by figures representing the varieties of fig on which the experiments are made, and the structure of their organs of fecundation and fructification.

Gasparrini's memoir in reply is divided into four parts. The first contains a detailed physiological account of the caprifig and its different varieties, which he considers not only specifically but generically distinct from the cultivated fig, including a detailed history of the fly bred in its fruits.

The second is a similar account of eatable figs cultivated about Naples.

The third (here translated) relates specially to caprification.

The fourth is a botanical comparison of the fig, the caprifig, and some exotic species.—B. M. L.]

1. *Historical Notes on the Subject.*—Herodotus informs us in his histories that the Babylonians knew of old that there were male and female date trees, and that the female required the concurrence of the male to become fertile. This fact was also known to the Egyptians, to the Phœnicians, and to other nations of Asia and Africa. The ancients were acquainted, moreover, with several circumstances proved by experience relative to the diversity of sexes in plants, like the one just mentioned of the date tree, and among these dicecious plants they distinguished the female as being the one that bore fruit. And in other cases where they suspected a diversity of sexes, not having any fixed rule or sufficient science to guide them, they judged merely by external *facies*, by medicinal virtues, or by other such fallacious or slight indications. If it may not indeed at all times have been universally believed that all things endowed with senses or life are reproduced by the concurrence of sexes, yet the ancients, although they could not detect either the

sexual organs of plants or the fact of their fecundation, nevertheless seeing them at certain periods of their life clothed with elegant flowers, perfumed with various essences, distilling delicious nectars, all radiant with glory, as if prepared for some ceremony of proportionate importance, they judged by the rules of common sense and analogy that this was the period of their loves, and that there must be amongst them all, according to the laws of nature, a male and a female. Thus, with regard to the date tree, the Babylonians, either imagining or finding by experience that the great distance of the male was often an impediment to the fecundity of the female, they suspended to the latter male flowers brought from a distance; and they believed that the fertilizing power of these male flowers resided in the small flies which they harbored, and which, introducing themselves into the female flowers, caused them to set and to ripen. This operation, called *palmification*, is still in use, and reckoned necessary for obtaining fruit in the country where the date tree grows naturally. If we could establish with certainty that this theory of the date tree was current before the facts were known concerning the fig, we might well suppose that the earliest Greek cultivators, seeing the caprifig always sterile (in so far as that the fruit does not become sweet), with a coarse and wild habit, and seeing the quantity of little flies it produces, should have thought that that was indeed the male, and that the fertility of the real fig depended upon it, and that thus taking example from the date tree the custom should have originated of suspending the flowers of the caprifig to the domestic fig tree. But the memory of this custom is even more ancient than that of the palmification of the date tree. This *caprifigation*, as it is called by us, is spoken of by the most ancient Greek writers on natural history; it is alluded to by Aristotle, and minutely described by Theophrastus, writers who were not only superior to all others in their philosophical speculations, but were very ingenious in their ideas on natural objects and phenomena.

Aristotle observes that a certain insect is generated in the flowers of the caprifig, which, having become a fly, enters the unripe fruits of the domestic fig and causes them to set, for which reason cultivators always plant the one by the side of the other, or suspend the fruits of the one to the branches of the other. Theophrastus does not confine himself to this bare statement of the practice which prevailed, but discourses at length on the manner in which the little fly could produce this effect, whether by opening or by closing the aperture of the fig. He rejects the second theory and pronounces for the first, saying that the fly by continual nibbling enlarges the mouth of the fig and sucks out the superfluous humors, and that the air penetrating through the aperture, it follows that by its warmth and fermenting qualities the fig sets and ripens. Nevertheless there are races of domestic figs which do not require the aid of the caprifig to ripen, and treating of these, this diligent observer is of opinion that this may arise from the quality of the soil or of climate as well as from the particular nature of certain figs which can ripen their fruits without assistance. He believes that a poor dry soil with a northern aspect, the deficiency of moisture in such soil, the cool wind which is usual in such a situation, and even the dust which would cover the fruit and absorb its superfluous humors, would all tend to open the mouth of the fig and produce the same effects which in the other case are brought about by the flies, and that if in Italy and

some other countries caprification was not known, it was because, for the above reasons, the figs in those countries set and ripened naturally; and Pliny, speaking of this subject, says that the caprifig is of a wild nature, and does not ripen its fruit, but that it imparts to the fig that virtue which it does not itself possess, for such is the course of nature, that even from putrefaction something should be generated. It produces midges, which, deprived of any nourishment from their own parent, fly to the allied fig, and by continual biting at the mouth enlarge it, and, penetrating within, facilitate the admission of light and fertilizing air (*aura cerealis*), thus transforming the milky humor into a sweet honeyed juice. On this account the caprifig should be planted near the fig, and on that side from whence the wind might carry the fertilizing breath. Now, this description is but little more than a copy of what Theophrastus had written so long before. These were the opinions of the learned as well as the usages of the country in the times of Herodotus, Aristotle, Theophrastus, Dioscorides, and Pliny; but however ancient was the practice in Greece, it remained there; for there is no tradition of its having been introduced into Syria or Palestine; and Pliny remarks that even at his time it was only in use in the islands of the Archipelago. It may, therefore, be affirmed with tolerable certainty that it was only brought from thence into our country (Italy), although, owing to the long rule of barbarians, it is impossible to fix the period of its introduction with any degree of probability.

After the revival of science, Cæsalpinus, about the year 1583, discovered the sexual organs in flowering plants, and thus the conjectures of the ancients became a certainty. Nevertheless, the opinions on the effects of caprification did not change in the least, and none of the botanists or agriculturists of the time, who treated of the fig, differed in this respect from Theophrastus, as may be seen in the works of Bauhin, who lived many years after Cæsalpinus. In the beginning of the last century, Tournefort, traveling through Greece, endeavored to ascertain the details and the effects of caprification, and whatever he saw and noted down he afterwards published. He follows the opinion of the Greeks with regard to the manner in which the effects may be produced, saying that the caprifig produces three kinds of receptacles (as we have elsewhere explained in detail) and three generations of the fly in the course of the year; that there are eatable figs which require the assistance of the caprifig to set; that the virtue of caprification consists in the bite of the insect, which, by enabling the superfluous milky juice to escape, causes the fig to set and ripen, and perhaps also some liquid issuing from the fly itself produces the saccharine fermentation by combination with the juice of the fig. Pontedera afterwards, in making known the structure of the flowers, as well of the caprifig as of the fig, states his belief that the fly acts upon the latter by giving admission into it to light and air. All of which statements differ in little or nothing from the opinions of the Greeks.

Meanwhile the discovery of Cæsalpinus, in the commencement of the preceding century, had more than ever attracted the attention of the learned, many of whom admitted the necessity of sexes for the fecundation of fruits, and especially for the purpose of obtaining fertile seeds, yet there were not wanting those who contradicted it, and amongst other grounds adduced the fig as ripening its fruit without fecundation. But the most sensible observers multiplied the facts relating to the

fecundation of vegetables; they ascertained that the female date was enabled to set and ripen its fruit, not by the insect, as Herodotus believed, but by the fertilizing powder of the anthers; and, amongst other remarkable circumstances, this also was discovered, that certain animals and vegetables lived under a kind of mutual dependence for the accomplishment of the operation. Thus, for example, it was observed that the male flowers of the gourd abounded in pollen, which is their fertilizing powder. With this pollen bees chiefly form their wax, and the bee flying from flower to flower carries it from the male to the female flower, which eagerly sucks it up, becomes fertile, and grows into the fruit. These facts and other similar ones having been related and proved, it appeared to the learned, and especially to Linnæus, that they explained the whole secret of caprification. This great botanist well knew that the fruit is the enlarged ovary, and that the fig commonly called a fruit is not the ovary, but a receptacle containing the flowers, and capable of enlarging without the assistance of fecundation. Knowing, moreover, by the researches of Pontedera, that the domestic fig only contained female flowers, and that the males were in the caprifig, and that in the one, as in the other, the flowers remained inclosed withinside the receptacle, he conceived the beautiful idea that the fecundation of the fig took place by a special provision of nature. This consisted in the creation in the caprifig of an insect which, for the purposes of support and propagation, was obliged to penetrate into the domestic fig, and carried with it the prolific humors. Thus fertilized the embryo was produced, and the greatest number of the receptacles remained on the trees, and came to maturity. In reply to those who followed the opinion of Camerarius, who said that the seeds of the fig never germinated, as well as to those who alleged on the contrary that fig trees could be only raised from the seeds of figs of the Greek Archipelago, or of Italy, with the remark that the statement of Camerarius was correct in regard to seeds produced in Germany, France, or England, where, there being no caprifig, the figs remained necessarily sterile, whilst, on the contrary, in Greece and Italy, where the caprifig existed, the fig seeds became fertile, either naturally or artificially, by means of caprification, this explanation appeared so just and natural that it was generally adopted.

2. *Concise Exposition of the Theory of Cavolini.*—Towards the close of the last century, Cavolini, who was in natural sciences the pride and ornament, not only of Naples, but even of the whole of Italy, sent to press a learned treatise on the present subject. He first describes the caprifig and the fig; then observes that they are but individuals of one species, the caprifig being androgynous and the fig the female plant; and he proceeds to endeavor to prove the necessity of caprification. The fig, he says, is a receptacle, or “a portion of the branch prolonged for the purpose of fructification, and not a pericarp, which is the external covering of the seed. The receptacle can support itself and attain its perfection without fecundation; but not so the pericarp, on account of its adherence to the seed by means of its vessels.” Nevertheless, he afterwards declares that this theory is not in all cases confirmed by fact, alleging that the receptacle of the strawberry, of the mulberry, of the blackberry, and of other plants, does not grow or become succulent till after the fecundation of the pistil. And from these data he argues, as to the mode in which caprification works, as follows: That which is

commonly called the fruit, is a dilatation of the branch and bears the flowers; but being different from the real branch in internal structure, the nutritive fluids meet with difficulties in passing from the large direct channels of the branch into the vessels of the receptacle, which are of a different structure and direction. On this account they would soon drop off if the female flowers were not fertilized; but as the fecundation induces an affluence of humors to the ovary, and thence to the receptacle, it follows that the one and the other continue to grow. And as this defective structure is greater or less in different sorts of figs, so (extrinsic) fecundation is necessary in some, superfluous in others, whilst others only require a very little of it. And if the same fig at Naples, for example, may require caprification, and not require it at Capri, it is because in the latter place the soil, reduced to the finest dust, and the air loaded, the one with alkaline salts, the other with phlogiston, could produce the same effect; that is, the setting and ripening of a large quantity of fruits. Thus it is that in certain places caprification is entirely unknown, as in the promontory of Sorrentum, Ischia, and other districts. Believing, therefore, that fecundation was necessary to sustain the domestic fig till its maturity, and that it contained only female flowers, whilst those of the caprifig were androgynous, with perfect anthers, it followed naturally that the fly coming from one to enter the other should carry with it the pollen or the fertilizing essence. He, consequently, thought it worth while minutely to describe the insect in its various states. Such is, in brief, Cavolini's theory of caprification, which we should have given in detail did it not appear to us to be too prolix and somewhat obscure.

3. *Exposition of the Theory of Galesio.*—Galesio, not long dead, has left a large treatise on the physiology of the fig and on caprification. We have extracted from it in their proper places whatever appeared to us of the most importance on the fig and on the caprifig, and we now proceed to state this author's opinion on caprification. He admits with Theophrastus, Pliny, and so many others, that there are figs which mature their fruits naturally, and others that require caprification. This difference was attributed by the ancients to climate and soil, believing that in a poor soil, with a northern exposure, the fig could nourish and mature its fruit without the caprifig; Galesio, on the contrary, affirms that it proceeds from a difference in organization, that the fig requiring the caprifig is quite a different kind from the others, and that both preserve their character and temperament in any soil or climate which they can bear. Now, the diversity in their organization, according to him, is this: Some figs have no flowers capable of being fertilized, as their ovaries are without ovules; these produce no fertile seeds, and cannot feel the action of the caprifig, which they do not stand in need of to preserve and ripen their fruit. These he calls *mules*, and says it is they which are cultivated in Spain, Florence, and upper Italy. Other figs, called *semi-mules*, have flowers susceptible of fecundation, the ovaries being furnished with ovules. In these fecundation generates the embryo, which causes the nutritive humors to flow to it from the peduncles, which can only draw them from the receptacle; this, again, cannot obtain the nutriment from anywhere but from the stem, and thus the fecundation occasions the setting and ripening of the fruit. And as it is only the caprifig that can produce this effect, so caprification is necessary for the perfection of these *semi-mule* figs. Such

are, he says, the figs of the Archipelago, and many of those of the kingdom of Naples, all producing female flowers only.

4. *Opinions against Caprification.*—There are many who will not admit that any effect is produced by caprification, and these are chiefly ignorant or simple cultivators, who judge from observing that in many places figs ripen without the cooperation of the caprifig. But with these must not be confounded two distinguished French naturalists, Olivier and Bory de St. Vincent, who have enounced the same opinion. The former, after having explained the process as practiced in Greece, adds: "This operation, of which some authors, both ancient and modern, have spoken with admiration, appears to me to be nothing more than a tribute of ignorance, which man pays to prejudice. Caprification is unknown in many parts of the Levant, in Italy, in France, and in Spain, and begins to be abandoned in some islands of the Archipelago where it used to be practiced, and which, nevertheless, still produce excellent figs for eating. If the operation were necessary, whether fecundation be effected by the fertilizing pollen dispersed in the air, introducing itself into the mouth of the fig, or whether nature make use of a little fly to transmit it from one fig to another, as is commonly believed, it is evident that the first fig in flower could not fecundate at the same time as those which have already attained a certain size, and those which are only just appearing, in order to ripen two months later." I do not transcribe the words of Bory, for his narration appears to me to be but a judicious illustration of what Olivier had stated.

And here I close the history with the following brief recapitulation of different opinions of authors on the mode of operating of caprification: The ancients believed that its virtue depended on the fly of the caprifig, which, by forcing its way into the domestic fig, facilitated the entrance of light and some fertilizing or fermenting vapor, and enabled the fig to set and ripen, and that a poor soil and northern exposure produced the same effect. Tournefort believed that the insect made the figs set and ripen by pricking and biting them, giving an issue to the superfluous juices, and perhaps by communicating some peculiar humors of their own produced the saccharine maturation. Pontedera followed the ancients, whose theories were all based on that of Theophrastus. Linnæus concluded, from the observations of Pontedera on the structure of the flowers of the caprifig and the fig, that the latter could not be fecundated without the assistance of the caprifig, and that this fecundation enabled them to set more abundantly. Cavolini combined in some measure the theories of Linnæus and of Theophrastus, affirming that the caprifig fecundates the fig, and thereby causes it to bear more fruits and ripen them better; but that the same fig can also ripen its fruit in certain districts by the sole effect of soil and climate. Gallesio follows Cavolini in so far as regards the action and effects of fecundation, but believes that neither climate nor soil can produce anything of the kind; and that the figs which do not require caprification differ from the others in the internal structure of their flowers. Lastly, the opinion of our cultivators is nearly that of the Greeks. They believe that the caprifig is necessary for some figs, which, without it, would lose the whole or the greater part of their fruits, whilst still sour, and that it hastens the maturity even of those figs which do not absolutely require it. They also admit that the quality of the soil and climate may, in some cases, produce the same effect as caprification.

5. *Comments on the Above Opinions.*—The ancient philosophers and naturalists admitted, as every one knows, four elements—earth, water, air, and fire—the which, combined together in various ways, produced an infinity of phenomena and things. Now, Theophrastus, wishing to explain how it could happen that the fly should cause the young figs to remain on the tree, bethought himself that, whilst the fig abounded in humidity, it was deficient in the air and heat necessary for fermentation, and that the insect, by feeding, carried off precisely the superabundant humidity, and by opening the mouth gave entrance to air and heat; and as this happened naturally in a poor soil and northern exposure, there was no occasion for the assistance of the fly. But in the present state of science, who would believe in the attribution of such powers to the soil and the north wind? On the contrary, such circumstances would rather produce an opposite effect; for the want of humidity and cold tend rather to contract the parts. And if any one were to see in the *aura cerealis* of Pliny that which is now called pollen, or the fertilizing dust generated in the anthers, would probably be mistaken, for it appears to me that the epithet *cerealis* denotes nothing but fertility or abundance produced by the *aura*. The opinion of Linnæus has, in truth, all the appearance, I do not say of probability, but even of certainty, of being simple and analogous to what takes place in a great number of vegetables. And that of Tournefort, if one does not entirely give faith to it, has, nevertheless, much of probability, considering that in other fruit trees the ovary, being pierced by an insect for the purpose of depositing its eggs, does not fall off on that account, but ripens like the others, only a little earlier.

Cavolini's theory is derived directly from Linnæus, only that his explanation of the manner in which the fecundation makes the fruit of the fig set is ingenious, and even rational. Admitting, then, for the moment, that the fact is as stated by that celebrated naturalist—that is to say, that in certain figs the nutritive juices cannot pass readily from the branch to the fruit (on account, as he says, of the extreme tenuity and curvature of the vessels), unless attracted by the embryo generated by fecundation—yet he has not shown that in the figs which ripen without caprification these vessels are really less curved or larger. Now we have proved that the structure of the receptacle in all the varieties of fig is tolerably similar. And his observation that the fine dust of the soil might produce fecundation is now wholly inadmissible. For although towards the close of the last century there were some who believed they had obtained perfect seeds furnished with embryo, by fecundating the pistil with very fine charcoal dust, later experience has entirely disproved it. As for the virtue attributed by authors to the alkaline salts of the earth, or the phlogiston of the air, as being capable of producing the same effect, it can now no longer be supported without offending the dignity and grandeur of science. Galesio's opinion is essentially that of Linnæus, as to the importance and the action of fecundation; and he follows Cavolini in admitting that certain figs require caprification and others do not for the ripening of their fruits. But he does not see the cause of this diversity either in soil or climate, but in their different organization, believing that those figs only which have their flowers apt for fecundation require the caprifig, as well to produce the embryo as to ripen the fruit. Nothing further can be deduced from Galesio's work, in which, to my mind, there is great confusion, owing partly to precon-

ceived and ill-defined ideas, such as that of the distinction between *mule* and *semi-mule* varieties, partly from the author not having precisely stated in what consists the diversity of structure on which he founds his theory, and, above all, from this, that he never himself saw the operation of caprification, nor examined the variety of fig on which it is performed. Moreover, his own theory, which we have perhaps stated more clearly than he does himself, appears to be in contradiction with itself in the two principal points. For if, in the variety called by him *semi-mule*, the sap of the branch passes into the receptacle, attracted by the action of fecundation and the vital power of the embryo, how is it that in the other variety the same cause does not produce the same effect? And here let us repeat that the different receptacles of the same tree, of whatever sort the fig may be, do not differ from each other in the least in the organization of the vessels, the parenchyma, and the fibers.

Such are the ideas of authors on caprification. Were we certain that Theophrastus and Pliny had intended by the word *aura* to denote the pollen, all would have joined in one general idea, that of fecundation. But in the history of the different opinions, as given above, one remarkable fact is included, which may not appear at first sight, which is, that with all the subtle fancies conceived by authors in their theories and explanations, not one of them has put forward a single experiment; but all, preoccupied with the certainty of the fact, have aspired at nothing but discovering the reason—even those who had good opportunities of actual observation. And Olivier, in denying to caprification any power whatever, comes to that conclusion not by experience, but by a just and rational operation of the mind.

But as it appeared to me not only worthy of the labor, but most essential to the consideration of the subject, to ascertain the truth by experiment, I have applied to it all the care in my power. The questions I have chiefly endeavored to solve are:

1. Does the caprifig fecundate the flower-heads of the domestic fig, and make them remain on the tree in greater numbers?
2. Does the caprifig fecundate the female flowers of autumnal figs, and make them set?
3. Does the caprifig hasten the maturity of the autumnal figs, or of the fruit of any sort of fig?
4. Does the caprifig operate by means of the puncture made by the fly?
5. Does the caprifig operate in any other way than any of the preceding, and by any process as yet unknown?

The figs near Naples which always produce fruit are chiefly of two kinds, the Colombro and the so-called Paradise fig. On two middling-sized trees—one of each of these kinds—I suspended towards the end of April some *cratiri** of the caprifig, called by our cultivators *Mamme di propichi*, or *caprifig teats*. The fly entered the flower-heads of the fig, but they did not set in greater numbers on each branch than was the case on similar fig trees not caprifigged, and growing far from any caprifig. In the ripe figs I could not find a single seed with an embryo; they were all sterile; some quite empty, others containing albumen only, and when sowed would not germinate.

* These are explained in the first part of the memoir to be those young figs of the caprifig which first appear in September, and remain through the winter till the following spring, when they come into flower.

At Baja the Dottato fig almost always ripens its fruit. Whoever passes by that district will readily observe places where the Colombro and the Dottato figs are so close to the caprifig that their branches intermix. Yet there are no signs among them of early maturity, when compared with similar fig grounds far from any caprifig. These figs naturally do not bring all their fruits to perfection; those that fall are at Baja called Sbufoni, and this usually takes place about the end of May or the first half of June.

In these fallen fruits, in the vicinity of the caprifig, there are generally dead flies, and never seeds with embryos. Out of fifty figs recently fallen from a Colombro, which I examined on June 17th, five only contained no insect; the remainder had them in greater or less numbers, but were so destroyed inside, and black and rotten, owing to the insects which had died in them, that to all appearance that was the cause of their falling. On the same tree were a number of figs looking nearly ripe, but slightly pricked and insipid, and which fell off with a slight shaking of the tree. Some of these contained insects, others did not; the former, like the fallen ones, were destroyed, and black inside. As to the permanent or set fruits, which in the middle of June can well be distinguished from the others, there were some with the insects, others without. In the fallen fruits of the Dottato fig I did not find one which had not the fly; but among the permanent ones there were some free from it. These experiments and observations were repeated three consecutive years, whilst every attempt proved vain at making the seeds of these figs germinate, though they were sown under a variety of circumstances, and at different seasons. The fly, therefore, which issues from the *cratiri* of the caprifig towards the end of April produces no effect on the domestic fig, either in fecundating their female flowers or in making them remain on the trees, or in hastening their maturity. If in the latter respect a precocity may sometimes be observed, the difference is so slight as not to be taken into account, considering the diversity of aspect, the trees being more or less exposed to the sun. The size of the tree, the being single and uncovered, or choked by the surrounding vegetation, may also occasion some difference, even at very small distances. Indeed, the different branches of one and the same tree ripen their fruits at different times. That the Dottato fig should ripen its fruits at Baja is not to be attributed therefore to the caprifig planted there, but solely to the climate, or perhaps to the soil, for the same variety near Naples will produce nothing, even with the caprifig, and in other localities will do as well as at Baja without it. And on the Lardaro fig, which never ripens naturally, at least in the vicinity of Naples, although the fruit enlarge considerably, and some remain on the tree till the end of May, often as I have attached to it the *cratiri* of the caprifig, I never observed a single one ripen. Therefore, I conclude that the remaining and maturing of the figs depend upon two circumstances—the intrinsic properties or natural disposition of the variety, and on the quality of the soil and climate.

6. *Does Caprification Hasten the Maturity of Late Figs?*—In the district of Portici I made the following experiment: In a large property there were two small trees of the Sarnese fig, distant from each other about two stone throws, and about equal in size and vigor. To one of them only, about the end of June, I hung the flower-heads of the caprifig, and I counted the fruits upon each tree. In the first days of September

there was no difference between them. Each had some ripe figs, some still sour, and others commenced ripening. Counting them again, there was here also no difference, each tree having lost about a fourth part of its fruits. The following year I repeated the experiment, with some modification. I marked with thread or with twine the figs into which I saw the fly had penetrated, and I took care that there was no caprifig in the vicinity of the other tree. The result of this experiment was precisely the same as that of the preceding year. In the meantime I had suspended five flower-heads of the caprifig to a large branch of a Lardaro fig which rose considerably above the rest of the tree, thinking that however little the caprifig might hasten the maturity, the slight difference would nowhere be more perceptible than in the different branches of the same tree. Yet when maturity commenced numerous fruits on all parts of the tree were in the same state as those of the branch in question. Now it appears improbable, not to say impossible, that those five caprifig flower-heads should have furnished insects enough for so great a number of figs.

I repeated the experiment for four years, and always with the same results, though in different localities. At the Camaldoli, where caprification is not practiced and the caprifig very rare, I caprifigged copiously a Dottato fig and two white fig trees, and none of the three showed the least sign of precocity. I believe, therefore, that the insect does not at all hasten maturity. It must only be observed that maturity is not to be confounded with a certain early softening which happens to some of the deciduous fruits pierced by the insect. For, as will be seen hereafter, the fly destroys and corrupts the inside of the fig; when it is already disposed to fall, it falls the earlier, and by rotting inside becomes soft the sooner.

7. *Does Caprification Cause Late Figs to Set in Greater Numbers than Usual?*—The advocates of caprification affirm that in certain varieties it causes all, or the greater number of fruits, to remain on the tree, which otherwise would have fallen off. To verify this assertion I have many times made the common experiment which would occur naturally to any one, that of comparing fig trees of the same variety to some only of which the caprifig had been brought, in order to observe the difference. Those I have observed with that view are the Lardaro, the Sarnese, the Colombro, and the Sampiero. With regard to the first two, the experiments were made in different localities, especially on the Sarnese, which is very common. None of them showed the slightest effect of the action of the fly, in regard to the quantity of the fruit; and if ever any differences were exhibited between the caprifigged trees and those not acted on by the caprifig, either in favor of or against caprification, they could always, on being well considered, be clearly traceable to other causes (not to speak of soil, climate, vicissitudes of seasons, etc.), as for example, to the age or vigor of the subject, the number of branches, the having been or not enfeebled by a previous superabundant crop, etc. And what I say of the Sarnese may in like manner be said of the Lardaro, with this exception, that being cultivated almost exclusively in the immediate vicinity of the Capital, I had no opportunity of observing it in distant localities. Cultivators affirm that this variety more than any other stands in need of caprification, and indeed it loses generally nearly the half of its fruits. But of this variety I will only state two things, not to fall into lengthy repetitions: First, that the

caprifig trees lose also a great quantity of their figs; and next, that those not caprifigged ripen many of theirs, with such differences as are occasioned by the above-mentioned causes or others to which I shall presently advert.

The double-bearing figs, such as the Paradise, the Colombro, and the Sampiero, usually bring many of their early figs to maturity, and but few or none of the late ones; and cultivators affirm that by caprifigging an abundant second crop may be obtained. Although I had often seen the Colombro ripen many of the late crop without the caprifig, I nevertheless wished to see the results of comparative experiment. Therefore, in the beginning of July, in the neighborhood of Pianura, I gave the caprifig to several trees of the Colombro fig; amongst them many had lost all their figs by the middle of August, some retained a few; they had fared like other trees of the same sort not caprifigged and placed at a considerable distance. Among the fallen fruits some contained the insect, others did not, and it was the same with those that remained on the trees and were advancing toward maturity. Amongst these Colombro figs were several trees of the Sampiero, of which four were caprifigged. The result was that two of them lost all their figs, both those at the base of the fruit-branches, called *pedagnuoli*, and those of the extremities, called *cimaruoli*. The other two trees scarcely ripened a fourth part, and those chiefly *cimaruoli*, and the fly had penetrated into some of the fallen fruits. It must be noted, moreover, that the above fig trees were all of the same age, in the same soil, with the same exposure, and all more or less had brought to maturity a good, early crop. The same experiment, repeated at Ischia on two trees of the Colombro, produced no result. For if these trees were pretty well loaded, the same thing took place in many other parts of the island without caprifigging, and not infrequently in the same places were fig trees near to each other, some with and some without fruits, without anything appearing to show a probable reason for such diversity.

8. *Does the Caprifig, by the Assistance of its Insect, Fecundate the Female Flowers of the Late Figs?*—As soon as botanists learned, from the observations of Pontedera, that the flowers of the different varieties of the domestic fig were always all female, as well in the early as in the late flowers, and as they believed that the caprifig was the male plant, they at once, by common consent, without further observation, concluded that these female flowers could only be fecundated by means of the insect—recognizing in this a providence of nature for the accomplishment of that important function. And I, myself, having ascertained the correctness of the fact stated, came naturally to the same conclusion, although I had ascertained that the caprifig was not the male of the fig, but a very different plant. But in the course of time doubts gradually suggested themselves to my mind, to remove which I devoted myself to ulterior researches. First, it appeared to me impossible that in all sorts of early figs there should never be a single fertile seed, even when male flowers were present. Yet, after repeated examinations, I always found such to be the case. This must not excite surprise, however, on considering that the flies which enter these come from the *cratiri* (the young figs of the caprifig that were first formed in the previous autumn), in which are either no male flowers or very few, and those almost always imperfect, and with little or no pollen. And then, if in these early figs I occasionally found a male flower, it was only

formed long after the female flowers, and its anthers never opened, so that any one might conclude that if there were no fertile seeds it was for want of fecundation. What is surprising, is the fact that in the late figs the embryo is produced especially in the *pedagnuoli* (at the base of its branches), and in hot situations, whether the tree be caprifigged or not. The White fig, the Dottato, and others which the Neapolitans do not caprify, produce abundance of fertile seeds, even in places where caprification is never practiced, and where the caprifig itself is rare, as, for example, at Camaldoli, Ischia, etc. But such observations always leave some doubt whether the insect may not have come from somewhere else, and effected fecundation. In reply to which it must be remembered, in the first place, that this insect, when he issues from his nest, flies with difficulty to any considerable distance; and next, that after he has entered the fig he dies there, and is afterwards to be found either entire or partly decomposed; at the least there remains, as a sign of his having been inside, a brown spot, which easily turns to decay.

Now, in places where there are no caprifigs, and where caprification is not practiced, I have found the seeds perfect in figs which did not show the least sign of the insect having penetrated. Besides, towards the middle of July I impregnated artificially thirty flower-heads on a Lardaro fig, by introducing into the aperture the pollen of the caprifig; one month after ten of them had fallen from the tree without their seeds being fertilized, and the remaining ones did not differ, either in size or in the number of fertile seeds they contained, from the numerous others of the same tree which had neither been caprifigged nor artificially impregnated. Not satisfied by all this, I made three consecutive years an experiment which appears to me more important than all the above-mentioned observations. Before any flies began to issue from the caprifig flower-heads, I closed the apertures of some still small figs of the Lardaro and Sarnese varieties with gum arabic mixed with chalk, so as to prevent the insect, should he attempt it, from penetrating withinside; and I took care to add some of the mixture as the figs grew, to keep them well closed. When they attained their full size I opened them; they showed no sign whatever of the fly having penetrated, yet they contained seeds with perfect, well-formed embryo. If this experiment is made upon trees to which the caprifig is afterwards applied, it is a curious thing to see the fly, after issuing from its nest, seek a place to deposit its eggs, and, lighting upon the closed fig, exert itself with all its might to penetrate all around the mouth, trying to force it open where it was only slightly green, and finally, seeing all its endeavors hopeless, turn away from it. This experiment clearly proved that caprification was not necessary to generate the embryo of the fig, though it was not conclusive as to impregnation not being requisite. For it might have happened that some organ or other under some strange form might contain the pollen, and be found on or amongst the female flowers.

With this view I examined with the microscope, with all the care in my power, all the internal parts of the fig in every stage, from its first appearance to the attaining its full size—the scales under the mouth, the pedicels, the bracts, the perigone, the pistil from the base to the summit—and I never succeeded in discovering anything which contained pollen, or any other analogous substance which might be even suspected of producing impregnation. Only it must be observed that

on the style, from its young state till shortly after the changes that take place in the ovulum, or about that time, there appear certain obscure grains, which at first sight have some resemblance to those of pollen. On attentive examination they proved to be little glands with the appearance of wrinkled grains, composed of cellular tissue; and as they first appear so they remain. The same grains appear also in the caprifig and in exotic figs. Besides, it appears that the style has not the tissue for conducting the pollen, unless you would give that name to the internal part of the style, formed of longer and more slender cells than those of the exterior, as may be so frequently observed in lengthened slender organs of numerous dicotyledonous plants. Thus every attempt on my part to discover any need of the fecundating substance of stamens to produce the embryo had failed. And, if I am not mistaken, this is not an isolated fact in the science, Mr. J. Smith having (Transactions of the Linnæan Society, 1840) already announced that the female of a dicecious plant, indigenous to New Holland, of the family of *Euphorbiaceæ*, called by him *Coeleboggyne*, bears in London* fertile seeds without a male flower having been discovered on it, and without any suspicion that it could have been impregnated by the pollen of any allied plant; and whoever, in answer to what I have stated of the fig, should allege the assertion of Linnæus, that this tree only produces good fruit where the caprifig grows, must recollect what I have said respecting it—that differences in climate and season more or less hot cause more or less of the seeds to remain empty, and that on that account, in the northern parts of Europe and in stoves, the seeds would probably always remain sterile.

So it is with our Vernino fig, as to the fruits which it ripens in the open air in November and December, and with that treble-bearing La Cava fig, which will sometimes ripen in a room in the depth of winter. On the other hand, the appearance of the summer figs at a time when the flower-heads of the caprifig are in a state of perfection, the insect ready to come out, shows in a manner a *final cause*, which can hardly be anything but fecundation. This consideration has always deterred me from publishing the results of the above-mentioned experiments, and has been the cause of my repeating them so often. What may be really the design of nature in this combination I confess I am ignorant of. Nor do I pretend, with the single example of the fig, to disprove so universal a fact as is the necessity of the concurrence of pollen and impregnation for the generating of the seminal embryo, proved by innumerable experiments made by so many distinguished men for a century back. I only state what I have seen in this plant, it being possible that others with a more acute judgment than my own may loosen the knot and discover one of the numerous contrivances by which nature meets so frequently her wants, when for the fulfilling of some particular end she adopts secret and complicated modes, with strange and unusual disguises.

9. *Does the Fly Cause the Setting and afterwards the Early Maturity of the Fig by the Puncture it makes in it?*—The ancients believed that the quantity of humor in the fig might be the cause of the late ripening of its fruits, or by suffocating them that of their falling off when still sour, and that whatever diminished the quantity of humor, if it

* At Kew Gardens.

did not cause them to set, at least would aid in that operation. And the celebrated Tournefort was of opinion that the insect produced that effect by piercing or gnawing the mouth, or the inside of the fig, so as to draw out the superabundant fluids. This opinion has been followed by many among the moderns, it appearing to them that the case of the fig should be in every respect compared with what occurs often in pear, apple, and other fruit trees, in which it is manifest that the blighted fruits ripen some days before the others; and Bernard, of Marseilles, a distinguished agriculturist, as I read in Gallezio, is of the same opinion, it appearing to him that what happens from the fly can be proved artificially by pricking the unripe figs with an awl, or even with a straw, and putting a little oil on the puncture. But I think that such ideas and reasonings, founded on analogy, are worth nothing in the present case, for before coming to the explanation, they ought first to have ascertained whether in fact the fly does or does not hasten the maturity of the fruit, and we have already seen that it does not. Besides, it is not proved yet that the insect pierces the mouth of the fig at all, nor any other part, excepting, perhaps, the ovary in order to deposit its eggs in it; on the contrary, I believe that it never does; for looking with attention, I have observed it make its way from scale to scale, sometimes unable to overcome the resistance they oppose, nor ever breaking through any of them to clear its way; and these scales, examined under the microscope, showed no injury from the passage of the insect. But supposing the fly to have pierced or otherwise injured some scale or other, it does not follow thence that the fig must ripen earlier, when we often see it injured or gnawed away in some places—ants often enlarge the mouth and carry away the scales—and yet these injured fruits either never ripen earlier, or very rarely so, and that from other causes. That puncture and oil hasten the maturity is proved by experiment, but this puncture operates in a different manner, in my opinion, from that which insects make into the ovaries of pears and apples to deposit their eggs. For amongst the pears and apples containing insects' eggs, some, whilst they are growing and still acid, become diseased and fall; others, continuing to grow like those that are not touched, become soft when the grub issues from the egg and commences feeding on the pulp; and this pulp is then sometimes, but not always as some believe, of a good flavor. But the fig in the above-mentioned experiment does not ripen from the puncture, but from the oil, as the same effect is produced by putting a little on the mouth of the fig. How it produces that effect on the fig is unknown to me; being put on the mouth it contracts it, then gradually the oil spreads, and wherever it reaches the dark green color of the epidermis changes to a bright green. I thought that I perceived that it did not affect the milky juice in the least, but rather impeded evaporation or other functions of the epidermis, as well in respect of light as of air, and that on that account the anointed fig commenced ripening from the base, and was inferior in flavor to those ripened naturally. But to return to the case of the fly: it neither pierces nor gnaws the substance of the fig, and if it inserts its eggs into the ovary, which I can neither affirm nor deny, it is certain that nothing is hatched from them; but I am inclined to think that it does not even pierce the ovary, as it does not prevent the formation of the embryo, and the difference between the fig and the caprifig is very great.

10. *Action of Fruits which are Ripe and in a State of Decomposition upon those which are Younger and Sour.*—In making my experiments on

caprification, as I was at a loss to conceive in what manner, visible or concealed, the fly operated, it occurred to me that possibly the caprifig flower-heads suspended to the fig tree and rotting there might possibly, by their close proximity to the sound figs, excite in them some similar alteration, which might bring on a premature softening. This suspicion arose from observing in stores of apples and pears that any rotten ones amongst them readily communicated their decay to the sound. In applying this to our case I did not intend to put forth any theory on the subject, as the science has not as yet any means of determining what it is that brings on the decay of any particular fruit, nor its effect on others around it; but what cannot be known by direct experiment may frequently be admitted or presumed by analogy and comparison; and as to the present question, as we have proved that the caprifig does not hasten the maturity of figs, it follows that such a discussion is idle. Nevertheless it may not be wholly useless, I think, to take the opportunity of relating an experiment I made for the purpose of ascertaining what I have alluded to.

Oranges, when they decay, produce mold and emit an offensive smell. On that account, and by reason of their temperature being probably affected during the change, I suspected that decayed oranges might, on the tree, cause the healthy ones around them to rot; I therefore gathered several oranges with their stalks and laid them by, and as some began to rot I hung them by a bit of twine close to others which were perfectly sound. The experiment lasted about a fortnight, by which time the moldy oranges had dried up, but none of the others, not even a single one, caught the disease, and all remained sound a long time after. It then occurred to me that if the mold touched the skin of the healthy orange it might produce the decay; I therefore scattered the dust (or otherwise, the seeds or spores) of the mold in great quantities on some oranges, and on others I introduced it underneath the skin, as a contagious disorder is inoculated. But nothing of what might have been predicted happened; the wound, instead of festering, dried up, and in one orange, which after some time began to decay, the rot appeared on the opposite side to that of the wound. From this experiment, I should say that if oranges when moldy and exhaling an offensive smell do not communicate the disease to healthy ones on the tree, and if the mold only propagates on oranges already decaying, is it credible that ripe figs of the caprifig, beginning to decompose, should produce such an effect on the young domestic fig?

11. *Examination of Fallen Figs.*—If the insect has penetrated into the fig it can be known at once by opening it, and sometimes even that is not necessary when the insect is entangled and suffocated amongst the first scales of the mouth, leaving outside its wings and the posterior parts of its body. If, however, it reaches the inside of the fig below the scales, it does not easily decay, but remains nearly entire till the fig begins to show signs of maturity; then it becomes buried in the swelling and softening florets, and soon decays. But whenever the insect dies immediately the surrounding parts turn brown, and subsequently blacken and rot, even the scales of the mouth, which are harder than the other parts, but especially the stigmata and styles in the cavity, as they project beyond the perigone and bracts, and not infrequently also the ovary and part of the receptacle. This rarely happens where the insect does not penetrate, and if the style discolors or dries up, it

never becomes black or rots. At any rate, experience is a better guide than words, and a single glance of a practiced eye will tell with certainty whether the fly has been in the fig or not. Now, every variety of fig sheds a certain number of its fruits, some more, some less; and in the opinion of cultivators, the Lardaro, the Chiaja, and the Sarnese would lose all or most of theirs but for caprification. If such were the case, one would naturally conclude that what fruits should fall after caprification would be precisely those in which the fly had not entered. With this view I, one year, set to examining all the figs that had fallen from the Lardaro, the Chiaja, and the Sarnese, all caprifigged. On July 29th (the fall of the fig commences towards the end of this month and the beginning of the next) I collected under the Sarnese sixty-seven fruits, of which thirty-five had the insect; three days after thirty-one, of which twenty-four had the insect; the remainder were black inside, but without any fly—perhaps it had got out again. Afterwards I found one hundred and twenty-two fruits with the insect, one hundred and forty-one without. They were of different sizes, *pedagnuoli* which had first appeared in June, and *cimaruoli* of July.

This experiment does not prove, indeed, whether caprification had been of use or not, except that if it had worked as the cultivators believed, we ought at least to have found the largest proportion without the insect, when, on the contrary, those with the insect equaled the others, or surpassed them in number, admitting that the fly had left many. Where I made this experiment I left at a certain distance another Sarnese tree without the caprifig, under which I at several times collected two hundred and forty fruits, amongst which thirty contained the insect, which had come from other trees, although at a distance. I wished to compare the number of fallen fruits of the two trees, but I found it almost impossible to ascertain how many fell and how many remained; and where this could be done the conclusions were fallacious, as it was difficult to find two trees of precisely the same vigor and temperament. Near the one of which I speak was a variety of the other, produced from a seed which had sown itself in the fissure of an old wall, with the fruit rather larger, the peduncle rather longer, the pulp rather finer and whiter.

On July 24th I found fourteen fruits of the Lardaro with the insect, and twenty-seven without; on the 30th, under several caprifigged Lardaro trees, I collected one hundred and sixty-eight *pedagnuoli* (about an inch long), and a great number of *cimaruoli*. Of the first, sixty-six, with the styles decayed and blackened, contained the insect; twenty-nine had them similarly decayed, but the insect had probably escaped, and seventy-three without the fly had not altered inside. Amongst the *cimaruoli* some had the insect, some not. On August 2d, fifty-five *pedagnuoli* with the fly, twenty-five without, and a great many *cimaruoli*, as before. On August 9th, forty-eight with the insect, fifty-six without; on the 17th, about two hundred with the insect, and as many without. Thus, out of seven hundred and ninety-three fallen figs of the Lardaro, a little more than half (four hundred and twelve) contained the insect; the others (three hundred and eighty-one) did not, and showed no sign of decay or other change.

Of the Chiaja fig I counted of fallen fruits, *pedagnuoli* and *cimaruoli*:

| | |
|---------------------|-----|
| Containing the fly— | |
| July 24th | 136 |
| July 27th | 172 |
| July 29th | 164 |
| August 3d | 473 |
| Total | 945 |
| Without the fly— | |
| July 24th | 46 |
| July 27th | 20 |
| July 29th | 47 |
| August 3d | 127 |
| Total | 240 |

In this case there appears a great surplus among the fallen fruits of those into which the insect had penetrated, so that its effect appears rather to have been prejudicial. The trees had been abundantly caprified, and in every fruit there were generally more than one insect in the cavity or amongst the scales; but more frequently amongst these, and around the insects, there were evident signs of corruption. The fruits without insects generally showed no alteration, excepting that in some the greater part or all the styles were faded, dried up, or slightly discolored. But the results of the above-mentioned enumeration must not be considered as invariable, for the same fig tree bears very differently in different years, according to the season, as well as to the quantity it bore the preceding year; and, besides, the finding more or less of the fruits with insects depends on the greater or less quantity of caprified fruits suspended, and the period when that was done, as there are some cultivators who caprify three times, and then the insect is found as well in the *pedagnuoli* as in the *cimaruoli*. Last year, having returned to the same fig trees, and again examining their fallen fruits, I found the proportions a little different from those I had ascertained the previous year. In the Sarnese fig the fallen fruits without insects surpassed the others by about a third; in the Chiaja and the White fig the numbers with and without the insect were about equal, and in the Lardaro the proportions were much the same as in the preceding year.

Although I examined an infinity of ovaries in the fallen caprified fruits, I never could discover with the microscope the least sign of their having been pierced by the insect to introduce its eggs, and never found anything within resembling a grub; thence it is probable that the insect does not pierce them. I say this in order to call attention to the circumstance that the blackening and decay around the ovary is not to be attributed to the puncture, which we do not know to take place, but to the body of the insect itself, which produces the effect either by some unknown action, or by some acrid humor it contains. Thus, from the above observations, it may be concluded that the fly of the caprified is rather injurious, and that far from making the fruits remain on the tree, it either causes or facilitates their fall, especially when it has penetrated into the inside and produces decay, where it dies. But this I think will happen rather to the deciduous than to the permanent fruits, because the first, even though they be *pedagnuoli*, are by their nature disposed to fall, hold but slightly to the branch, have but little firmness in their pulp, the florets but little grown, and the inner cavity large. If with this bad conformation, either natural or superinduced pending the growth, the fly comes to inflict further damage, every one must see that the fruit

cannot on that account remain longer on the tree than it would otherwise.

Amongst a great number of fallen fruits, some, whether with or without the insect, showed a few florets which had grown more than the others, and had had time to form their embryo.

12. *Examination of Permanent Figs.*—The examination of the fallen figs was naturally followed by that of those which remain on the tree to ripen, in order to ascertain whether they contained the insect, and whether it induced decay. But in this research a source of error might lie in the mistaking for permanent fruits those which might still fall before they ripen; these, however, although they may appear to hold firmly onto the bough, may be known practically by a peculiar look, by being usually badly formed, imperfectly nourished, of a paler green than the rest, and emitting when pierced a small quantity only of a thinner milky juice than the sound ones.

On August 1st I cut from a caprifiged Sarnese fig a branch bearing eight fruits; one ready to fall contained the insect; so did three others of a doubtful kind, that is to say, not showing clearly whether they would come to maturity or fall prematurely, they showed the usual blackening, although slight, of the ovary. The remaining four, intermingled with the others, were strongly attached to the bough, had no fly withinside, and showed no sign of alteration. Two days later I cut from the same tree another branch with sixteen fruits, of which one with the blackened styles from the presence of the fly was in the act of falling; two of middling size and firmly attached contained the insect, not in the cavity, but amongst the scales of the mouth, and were little if at all affected; a fourth, the youngest of all, although it contained the insect, appeared to be set, and was not injured. The remaining twelve, all *pedagnuoli* of middling size, were sound and secure, had neither fly nor any sign of decay. On August 5th I cut a third branch with eleven fruits all set; four contained the insect, the other seven did not. In the district of Portici a branch of the same variety of fig with nine fruits had the insect in two fruits ready to fall and in three permanent ones. At the same time on a Sarnese fig I found, besides a number of fruits ready to fall, with the fly, thirty-seven permanent and large fruits, of which ten had the fly. From a Chiaja fig copiously caprifiged I detached in the beginning of August forty-three well set figs, of which only thirteen were without the insect, which in the others was either among the scales of the mouth or in the cavity, or in both; but always when among the scales it does little damage. And the following year, among eighty fruits of the same tree thirty-nine only had the fly, which I also found in seventy-four out of one hundred and ninety-four fruits of the White fig. In the first days of July I suspended some caprifig flower-heads to a small tree of the Lardaro which had one hundred and seventy fruits; in the course of the month forty-three had fallen; I gathered on August 14th the remaining one hundred and twenty-seven, which had become consolidated. Having opened them, I found them sound, with good seeds; about thirty only contained the fly, which had done little if any injury to the florets.

The facts noted of the Sarnese and Lardaro figs prove clearly that it is not by the effect of the insect that the fruits remain on the tree, as the greater number of those which were the soundest and most vigorous did not contain it. The experiment made the first year on the Chiaja

fig might perhaps tend to show the contrary, were it not that there was so far a greater proportion of the fallen fruits into which the fly had penetrated. That arose from the great quantity of the caprifig, which had been applied three times, so that few of the fruits, whether deciduous or permanent, could escape the insect. Therefore, from the observations stated under this and the preceding heads, it follows that the insect is not the cause of the permanence and setting of the late figs. If it had been so, it would have been found only, or at least chiefly, in the permanent fruits, whereas the contrary was always observed; and I am of the opinion that a fig tree, whether caprifigged or not, always loses the number of fruits it is destined to lose, from whatever cause—either its own temperament or external causes—and that the deciduous ones fall the more readily from the flies having penetrated into the cavity and induced decay and mold; and it may happen even that on this account many a fruit falls which might otherwise have consolidated itself and ripened. As to the permanent fruits which had the fly, I think that from their size, strength, and vigor they had been enabled to resist the effects of it, especially where it remained caught among the scales of the mouth; but as soon as they commence ripening they rot very easily, the flavor becoming affected.

But as in all our researches and experiments we have been unable to discover any reason in the world why the caprifig fly should render the deciduous fruits of the domestic fig permanent, or hasten their maturity, and as it cannot be denied that some varieties lose every year a great many, others very few, and that some ripen earlier, it would be desirable to know how this happens; and this question I will now shortly discuss.

13. *For what Reason does the July Fig Commence Ripening Some Days Earlier than the Others?*—Of this fact I see chiefly three causes: First, the tree shoots out some days sooner than other varieties; secondly, it puts out but few or only very small early figs, which fall off very soon; thirdly, the young branches do not lengthen much and grow pretty equally, throwing out scarcely any coarse, watery shoots. It follows naturally that vegetation commencing early, the flowers are also formed early, and the nutritive juices not being taken for the spring figs, nor drawn away to the extremities of the branches, are directed in greater abundance to the summer figs. What is there then surprising in their ripening a few days earlier than other varieties? The contrary effect is observed in the absence of any one of the above circumstances. The winter fig produces few small and deciduous early flowers (the growth of the branch is rather weak than otherwise), yet vegetation being about a fortnight later than in the Dottato and other figs, that is enough to occasion its fruit to ripen late. The Colombro, worn out by the quantity of early figs which attain maturity, produces late in the season only a few late ones, and those usually fall off unripe, either all or the greater part of them; indeed, that the vigorous growth of new branches retards the ripening of fruit can be proved by this, that if their ends are pinched off, the ripening will take place much earlier.

14. *For what Reasons do the White and Dottato Figs Carry their Fruits Better than the Others?*—On this occasion an important question ought, if possible, to be decided, that is, whether these figs are true species distinct from each other and from all others, or whether all the domestic figs are but varieties of one species. If we could decide for the first alternative,

there would be no need of further argument, as it is natural that different species distinguished by external characters should also have different constitutions. But I will admit, although I am not convinced, that all our figs are varieties of one species. The varieties raised from seed are numerous, and in some plants infinite in some respects; but that which has now to be noticed as more especially relevant to the present question is, that sometimes the constitution is altered, so that some varieties arise which feel certain influences more or less than the natural or primitive type from whence they proceed, for in a wood of chestnuts or oaks we often see variations from one individual to another. By this I mean to say that the White and the Dottato figs, whether you consider them as species or as mere varieties, cannot be denied to have been endowed by nature with a power of carrying nearly all their fruits. But difference in habit, however slight, is usually indicated by external characters or signs; and these, caused themselves by the diversity of habit, are again the causes of other differences. So the White and the Dottato figs are the strongest and most vigorous of all those to be found in the neighborhood of Naples, and thrive in any soil. Their leaves are large, not much divided, coarse, especially those of the Dottato, and support well the vicissitudes of the seasons; and the leaf is the mother and nurse of the fruit. Vegetation in these varieties usually proceeds regularly, as they shoot in March. They set no early flowers, and the shoots are not slender, unequal, nor attenuated, but thicken and lengthen moderately; the fruits grow regularly from the base upwards, and in the order of their age; they are, moreover, of a fair size, well proportioned, and, though not few in numbers, are not crowded so as to interfere with each other's nutriment. All these circumstances together produce, according to my opinion, the above effect; and the proof is clear on seeing what are the effects produced when, from the vicissitudes of the season or other causes, the leaves suffer; or when, the sap being irregularly distributed, the branches lengthen moderately, and produce a great deal of wood. Then the trees lose many fruits, but always less than other varieties, being supported by their intrinsic qualities.

15. *For what Reason does the Lardaro Fig Lose the Greater Part of its Fruits?*—The circumstances stated under the last two heads explain readily the cause of the Lardaro. This variety, though coarse in appearance, suffers by nature much from changes in temperature and from moisture in the atmosphere; and if the moisture is combined with heat, it causes it to throw out a great deal of wood. It produces a good many early figs, which I have never seen ripen, although they often attain a considerable size. The leaves are deeply divided, the vegetation of the branches unequal, and without order—here and there coarse shoots, which grow in a short time to a considerable length, with twenty or thirty eyes; and whilst in other figs at the end of August the shoots often cease to grow, or lose much of their vigor, those of the Lardaro continue to lengthen through September, and not infrequently through a good part of October, having always figs in the axils of the leaves. These fruits are very numerous, and many of them ill-shapen, distorted, lumpy, and of irregular growth, often two of different ages in each axil. In such a disorderly activity of vegetation, with such a number of fruits of different sizes and forms, with so much sensibility to atmospheric influences, it is not a matter of surprise that this fig should promise much and perform little, when we see that one only of the

above-mentioned causes will produce the effect; for we have stated already that the Sarnese and Chiaja figs lose a part of their fruits from producing too many. Meanwhile, I have not been able to correct the defect of the Lardaro by pruning, nor by leaving uncultivated the ground where it is growing; for that has appeared always to give it new strength to replace its pruned top, and throw out coarse shoots and make wood. Age, alone, and the enfeeblement of decay tames it, and then its branches, growing little and becoming less disorderly, preserve their fruits better. The difference may be observed, also, among the branches of one tree; and this to such a degree that whoever makes comparative observations on different individuals of this variety, sees that by diversity of age, soil, exposition, disturbed vegetation, or seasons, they vary so much that he cannot easily follow the thread of explanation. But, essentially, the facts are the same as those observed in other trees—that is, that vigorously growing individuals produce little fruit, and, like coarse branches, only make wood; that those which produce an inordinate quantity lose a good portion, and that generally a scanty crop follows an abundant crop.

16. *Effects of Grafting.*—After so many experiments had proved the nullity of any supposed effects of the fly on the domestic fig in making it retain its fruits, I one day, in the village of Ischia, came upon a Colombro fig, which seemed to show the advantage of caprification in a way to turn one's brain. It was in the center of an airy, open garden, with a good soil, situated in a flat, and far from the sea, a large and beautiful Colombro fig, with a handsome, well-formed head, the bark uninjured, the wood everywhere sound, and of a vigor and health without equal. From its foot arose a fine, large caprifig, its boughs intermingling with those of the Colombro. This tree, which had ripened its early figs, had, towards the middle of August, an abundance of the late crop, almost all with the fly withinside, firmly attached, and many approaching towards maturity. At some distance were other trees of the same fig, some with few, some with many of the late fruits, but none which approached in beauty to the other.

The circumstance of its having ripened two good crops, which, in the Colombro, so rarely happens, induced me to try and ascertain the cause. In the first place, I thought of the strength and vigor of the tree, the moderate and regular growth of its branches, the fact of its being at such a distance from the sea as not to be affected by its breezes, and the fertility of the soil, all of which together might account for the abundance of fruit. But, after some consideration, I did not feel satisfied, and had the tree cleared at its base to ascertain whether these two trees of different natures might not be naturally united, or, as cultivators term it, grafted by approximation. I found that such was the case; and further, that the two were both united in the same manner just below the surface of the soil with a Dottato fig, a few of whose suckers grew up at a little distance.

Here were two subjects of consideration suggested: first, whether, among the various effects of the stock upon the graft in influencing the abundance of size of the fruits, a similar effect might be produced by the above-mentioned intergrafting of three different things. The second point appeared to me of more importance. The vegetation of the domestic fig, by the effect of atmospheric vicissitudes, never flags nor rests, at least sensibly, from spring to autumn, whether with the growth of the

branches or of the fruits; but that of the caprifig rests a little after having produced the first crop, so that when these are ripening in June or July, the young ones of the next crop are not yet appearing on the new branches, whilst those of the domestic fig are a month old, and in full growth. Such being the case, where the stems of a Colombro and a caprifig are united, and both together grafted on a Dottato, it must be admitted, in the first place, that the roots are sufficient for all three; and, as between two trees joined at the base, the sap must pass more or less readily from the one to the other, and as the periods of vegetation of the two do not precisely agree in the present case, who would not see that the Colombro fig, forming its second crop whilst the caprifig is at rest, must receive the greater part of that which is absorbed by so many roots, and perhaps even a little of the sap of the caprifig itself? But leaving conjectures, which, indeed, are neither strange nor new, on the effects of grafting, let us return to facts easily appreciated by the senses. If the Colombro fig above mentioned bore so large a crop of fruits, not by the effect of the graft, but merely by having its boughs intermingled with those of the caprifig, the same effect ought to be produced where they are so placed without being united. And so I have seen it at Baja, but without the Colombro having, on that account, any more fruits than others far from the caprifig.

And I may now declare, that after many years' researches, and following up all the accounts and stories of cultivators, it has never happened to me to hear of any fact, however strange, new, or singular, on this subject, that might not be accounted for otherwise than by the effects of the insect.

17. *What Account should be Taken of the Maxims and Experience of Cultivators on Caprifigation?*—From all that is stated under the preceding heads, I should place no certain reliance on comparative observations made by the lower orders on two trees, one caprifiged and the other not, to observe the differences. For as differences in humidity, heat, rain, atmospheric influences, soil, etc., often occur, that which you may have thought you have ascertained one year will turn out quite different another. Above all, a frequent cause of error with us is, that two trees, believed to be individuals of one variety, are, in fact, two distinct varieties raised from seed, but so near to each other that cultivators do not perceive the differences. Varieties from seed have no limits in certain plants, and are produced in such numbers that often they may not be distinguished at first sight by external signs, and often these differences are only in the constitution, as, for example, in the horse-chestnut, the seeds of which, taken from one tree, will produce a hundred individuals, which may be all alike in all their parts, raised on the same soil, with the same exposure, and yet many of them differing from the others in the number of fruits they bear in proportion to their vigor, in their size, in the periods of their budding and flowering; and that happens often to certain figs which spring up everywhere about us from seed. Thus, in the commencement of my researches, I was often deceived, believing two trees to belong to one variety, when, after a time, I ascertained that they were distinct varieties; and this happens more frequently to those races to which the caprifig is given, that is to say, to the Lardaro, the Chiaja, and the Sarnese, which partake much of the wild nature, and for that reason bear so much fruit.

I have often discussed the subject with cultivators well informed, but

preoccupied with the idea of caprification. To every contradiction of mine they put forward that the experience of many years had proved to them the importance of it. Sometimes we came to the proof. When I showed them fruits not caprifig ripening at the same time as others that were caprifig, the most sensible of them replied that that depended on the soil, but that did not affect the property the insect has of making those fruits into which it penetrates set and ripen early. If, then, I showed them the number of fruits fallen from a caprifig and non-caprifig tree, they always claimed the advantage; and if I said that the same fig, as the Sarnese, for instance, ripened at Ischia abundantly without the caprifig, they said that depended on the soil and on habit. Our cultivators hold it for a maxim that if a fig has once had the caprifig applied, even the White fig, which in their opinion does not require it, it feels ever after the influence; and as if having once tasted of it gets a bad habit, will the following year only produce few fruits without the caprifig. Besides, seeing the insect with so much industry and ardor work its way from scale to scale into the inside of the fig cannot, in their opinion, but produce some effect. With such and similar matter it will be admitted that I may be quite satisfied.

18. *Conclusions*.—From the facts above stated it appears clearly:

1. That to understand well the effects of caprification, it is in the first instance necessary to know the nature of the fig and of the caprifig, and what connection they have with each other. And we have seen that the caprifig is not the male of the fig, as has been hitherto believed, but a species so different from it that it may well be taken as the type of a distinct genus.

2. The structure of domestic figs, as well of those to which the caprifig is applied as of others, is perfectly similar in so far as concerns the organs of the flower, the structure of the seed, and of the receptacle; so that it does not appear how the insect of the caprifig can be necessary to some varieties only.

3. And we have seen by experiment that the insect neither hastens the maturity nor causes the fruit to set, whether of early or late figs, nor yet is it necessary for fecundation.

4. That the circumstance of the caprifig losing early many of the fruits in which the fly has not been bred, does not serve to prove the necessity of caprification, but rather to refute the doctrine completely, as the fly does not breed in the domestic fig; and besides, we have seen that when the caprifig bears a large crop of fruits, many of them fall unripe, even though the insect has been in it, and the grub be found in the ovaries.

5. And in respect of the caducity of the fruits of some figs, the causes must be sought for chiefly in the constitution and mode of vegetation of those varieties; and also in the soil, climate, and vicissitudes of the season.

6. That thus caprification is useless for the setting and ripening of fruit, and therefore this custom, which entails expense and deteriorates the flavor of the fig, ought to be abolished from our agriculture.

19. *Conjectures on the Origin of Caprification*.—Having now reached the term of my labors, I cannot conceal a certain anxiety which has secretly grown up in my mind. I fancy I hear from all quarters that the custom of caprification being of such ancient date, and having been upheld by so many distinguished men of science, both ancient and

modern, cannot but be founded on experience, against which no theories, no subtleties of science, are of any avail. Verily does the rise of such ideas in my breast so agitate me, that many times in the midst of my labors my breath has been stopped by the fear that some fact illy understood has drawn a veil over my mind. Nor should I ever have ventured to publish this treatise were it not that I thought some consideration was due to the labor I had bestowed on it. Where the love for a subject induces one to undertake a work, the work itself increases that love. Besides there is the hope that, if not the whole, some part of it, at least, may prove useful to science. Of this it behooves others than myself to judge.

But independently of all such considerations, I may, in courtesy, be allowed some conjectures on the origin of caprification, and how it has become spread among us. The time when it began is entirely unknown, for the first record of it is in Herodotus, who lays it down as a proof of the dependence of the female date on the male, as of the fig on the caprifig. Certainly experience proved to cultivators the case of the date tree. Experience, therefore, many would say, proved to the Greeks the necessity of the caprifig for the fig. But it is not everything which our ancestors have handed down to us, by history or by popular tradition, that has been proved by experience, and often has analogy been confounded with experience. Let us suppose that the case of the date tree was first known, and that some one observing the caprifig, with its coarse, wild aspect, and with its fruits not good to eat, containing the fly within, should have conceived the idea that it was necessary for fertilizing the fig; this would not have been a demonstration, indeed, but a plausible supposition. And how many theories are there not built upon a few facts generalized by conjecture, analogies, and possibilities? These theories, in course of time, are proved or refuted, and often last a long time in spite of refutation, so difficult is it to turn the mind away from strong impressions and preoccupations, and to turn it away from habit; and habit is of such force that it becomes a second nature, as the old and popular saying has it. And when a maxim is once taught to the lower orders, especially to those living in the country, who are more tenacious of their habits and customs, every one knows how difficult it is to get the better of it, especially when it is connected with the hope or possibility of gain, and is ancient. Now, who can say that the custom of caprification did not rise and spread amongst cultivators in some such way? And habit is so great in this class of persons, that often they will not see their own loss and the gain of others, preferring to die in their errors rather than better themselves by the example of others.

Certain facts, either at first inexplicable or marvelous in appearance, have often given rise to popular opinion, which, from the remotest antiquity, have come down to us from generation to generation. Certainly, from the sight of the moon springs up at once the desire to know its properties; and at its brilliant and even marvelous aspect every one is naturally disposed to grant to it a large influence over the things of this world; and cultivators of old consult its phases for the periods of confiding seeds to the earth, or felling trees; from that body, in short, they deduce either the probability or the certainty of good or evil. I myself have no experience on the influence of the moon; but I believe that among popular credences, supposing them not to be all erroneous, none are more so than this on seed sowing. In vain, however, would it be to tell the cultivators of their error; all with one voice cry you down

with *experience*, and you must be silent. Experience being the sensible ground for reasoning on phenomena, there is no appeal against it; and however great and numerous the proofs you have to the contrary, the general opinion, resolutely maintained, at length puts you to silence. But the case of the moon, you say, has nothing to do with caprification. But do you believe, that on seeing for the first time the different kinds of receptacles of the caprifig, the insect propagated within them, this same insect afterwards issuing forth and penetrating into the domestic fig, forcing its way from scale to scale of the mouth, in a manner which one would have been at a loss to imagine—do you believe, I repeat, that this fact would not suggest to your mind some great design of nature to be fulfilled? And this was observed by the ancient Greeks, a people of lively imagination, who in all natural phenomena, in many plants and flowers, saw secrets, and wonders, and records, and living signs of human affairs.

It is certain that the practice of caprification came to us from Greece, if we give faith to Pliny, who says that in his time it was in use in the islands of the Archipelago, and entirely unknown to the Italians; but at what precise time it was imported I am unable to say. Writers on rustic affairs in the thirteenth century speak of it as a thing practiced in some places, and they then knew not how it came amongst us. What appears to me to be interesting is, that it was adopted by us precisely as the ancients had it—the opinions of our cultivators being the same as those of the Greeks as to its utility. Among country people the most remote traditions are perpetuated without any alteration of consequence. We read, for instance, in Dioscorides, that the mandrake has secret virtues, and that it is used by witches. Now, in some parts of our country, where the plant is common, the same opinions are held of it. As I was wandering one day about some fig grounds near Naples, I observed suspended to some fig trees some of those spongy excrescences found on elm trees, and occasioned by some aphid or pulex for the purpose of propagating within it. Having asked what was the use of it, I was answered by the cultivator that those spongy excrescences were as good as the caprifig to make figs set in abundance, and that he had been taught the recipe by his father, who had proved it, and his own experience had confirmed the advantage of it. This is, without doubt, an absurdity, yet the same thing may be read in Theophrastus; and afterwards Palladio, in his chapter on the fig, says: "And if there is none of this" (*i. e.*, of the caprifig), "a branch of wormwood may be suspended, or the excrescences which are found among the foliage of the elm." Such is one of the numerous examples of ridiculous and strange practices in use among the lower orders from the remotest periods; however contrary to reason, they remain in vogue, and those who believe in them and practice them allege experience in justification. Certainly, as we have already said, experience is the groundwork of all sound reasoning or phenomena, and we ought on every occasion to follow it; but in speaking of experience, we must know by whom and in what times it was had.

Returning to caprification, from which we have somewhat diverged, neither its antiquity nor the experience of cultivators are of any account. I do not wish to disparage the labors of so many great men who have written upon it, but I only say they made no experiments; the ancients, like Aristotle and Theophrastus, relating what was the practice, and Cavolini and Galesio preoccupied with Linnæus' opinion.

WHEAT, FLOUR, AND BARLEY.

Compiled for the State Board of Agriculture by T. C. FRIEDLANDER, Secretary of the San Francisco Produce Exchange.

The year 1891 was essentially a bull year in the wheat trade, and the prices obtained at tidewater bring forcibly to mind the era prior to 1880, when our farmers considered \$1 75 only a fair price for the product of their wheat fields. Could such figures as we have seen during the past twelve months be current for one or two years, orchards and vineyards would be plowed up and the one idea of the California farmer would again be wheat, and nothing but wheat.

For the ten years prior to 1880, the average price during such period obtained by our farmers at tidewater was \$1 90 per cental; the result of this figure is shown in the constantly increasing crops, culminating in that of 1880, when, for the first time, prices sought the level which has been current for the past seven years.

The same influences that were at work in California were at work throughout the world, and the difference in values between the two periods amounted, in the English market, to about \$18 per ton, as against \$10 per ton in the San Francisco market. The difference between the \$18 and \$10 can be wholly accounted for by the decline in, principally, ocean freights, and also, to a smaller extent, in insurance and commissions, so the farmers of California have virtually been able to lay their wheat down in England about \$8 per ton cheaper than they could in the period from 1870 to 1876. There is, then, but an actual difference in the two eras under review—to our farmers—of, say \$10 per ton, and this difference is more apparent than real. The saving to the farmer is estimated as follows:

| | |
|---|-----------------|
| Reduction in inland transportation charges..... | \$1 50 per ton. |
| Reduction in cost of sacks..... | 75 per ton. |
| Reduction in plowing, seeding, and harvesting..... | 4 00 per ton. |
| Reduction in cost of living, interest, and warehouse charges..... | 1 00 per ton. |
| Total | \$7 25 per ton. |

In the foregoing calculation no account is taken of decrease in cost of hauling from the ranch to the shipping point; railroads have been extended, branches built, and even in the older lines additional stations have been placed, so that the distance from the farm to the shipping point must on the average be considerably less than it was fifteen years ago.

It is, therefore, apparent that our farmers actually obtain not \$3 per ton less for their wheat than they did in the palmy days from 1870 to 1879, when ranches were paid for by the crops of two or three years.

The days of wheat raising in California as a speculation are past, but our farmers are now engaged in an industry, where, with an average crop, they will make their living expenses, interest, and all charges at \$1 40 per cental at tidewater, and still have something over.

Give us the average price of the past twelve months—say \$1 65 per cental—for a couple of years, and there can be no doubting the statement made, that orchards and vineyards would once more be turned into wheat fields.

The year of 1891 opened with No. 1 white wheat selling at tidewater at \$1 30 per cental, and under the influence of dry weather prices hardened until the rains came in February, when there was a slight reaction, which only served to accentuate the upward movement that immediately commenced and which culminated for the time being in April, when spot wheat sold at \$1 85 per cental.

All through the winter months there were rumors of grave injury done to the growing crops of Europe. As spring dawned, these rumors became partially apparent, and as the days lengthened a situation universally acknowledged to be serious, but still one which might yet be repaired by good weather, stood facing the farmers of the Old World as a reality from which there was but slight hope of redemption, and it was apparent that a yield of cereals below anything harvested of late years would be the return to the farmers of Europe for all their toil and labor.

The situation was serious, none could deny, but, with the hope that after all the harvest could not be so very bad, and with the promise of a bounteous harvest in the United States, prices in the foreign markets, which at the end of April had reached 46s per quarter, eased off slightly until July, when, as the farmer of western Europe had begun to pluck up a little courage, it began to rain, and with but slight intermission it rained for six weeks or more. The effect was disastrous, and most especially so in France. The effect of this wet weather was instantaneous, and markets of Europe first hardened, then strengthened, and reached their highest level in September, when cargoes were quoted at 46s 6d. From that time to the close of the year, with various fluctuations, there was a decline to 43s, the high prices bringing out unexpectedly large supplies, principally from the United States, where the farmers marketed their enormous crop as rapidly as possible, to take advantage of going prices.

In California, with a scarcity of wheat (the stock on hand June 1st was but ninety thousand tons), prices of the spot article remained firm, but with the advent of the new crop, and an advance in freights, there was a drop in July to \$1 65 per cental. In July, in sympathy with the foreign markets, prices began to stiffen, and the advance was further assisted in August and September by the returns from the thrashing, which made it apparent that the crop of California would fall much below general expectation.

The highest price paid for spot wheat was \$1 85 at tidewater, and the last day of the year saw the quotations \$1 80 per cental.

In the first five months of the year freights remained firm within a range of from 40s to 42s 6d, iron ship to Cork, f. o., U. K. In June and July rates advanced until 50s was paid for small ships. Thereafter, owing to the crop turning out below anticipation, and to the enormous amount of tonnage headed for California, freight rates began to drop, and the last day of the year saw the quotation 20s, iron ship, f. o., U. K.

The wheat crop of California for 1891 is estimated at 1,050,000 short tons reaped from three million acres. The exports for the year amounted to 841,000 short tons.

FLOUR.

Exports of flour for the year 1891 amounted to 1,225,000 barrels, an amount 43,000 barrels in excess of the shipments of the preceding year.

The output of all our mills was about the same as 1890—say, 2,400,000 barrels.

One feature of the grain trade was the heavy shipments, in June and July, of flour, wheat, barley, hay, and other produce to Chile, which country was then in the throes of a revolution.

BARLEY.

The crop of barley for the year 1891 was a full average, and the first good crop gathered since 1888.

Exports are considerably in excess of those of 1890, but still not up to what we usually ship in big crop years.

The bulk of the shipments went to the United Kingdom, and what did go to the Atlantic Coast went around the Horn, and absolutely nothing went overland.

The prevailing low prices throughout the country east of the Rockies barred us out from all points except the seaboard.

The year opened with light stocks, and prices kept up to about \$1 50 per cental until the advent of new crops in June, when there was a drop to \$1 05 per cental for No. 1 feed. Under the influence of a demand from Chile, prices in July advanced to \$1 20, and then in the beginning of September eased off, the range thereafter for the rest of the year being from \$1 07½ to \$1 12½.

CLEARANCES FROM SAN FRANCISCO BY SEA IN 1891.

| MONTH. | Flour— Barrels. | Wheat— Centals. | Barley— Centals. | Oats— Centals. | Corn— Centals. | Rye— Centals. |
|-------------------|--------------------|--------------------|---------------------|-------------------|-------------------|------------------|
| January..... | 104,472 | 1,302,707 | 28,770 | 1,711 | 9,746 | ----- |
| February..... | 121,225 | 1,298,694 | 18,492 | 429 | 8,976 | ----- |
| March..... | 99,204 | 1,854,890 | 12,780 | 686 | 7,010 | ----- |
| April..... | 129,657 | 1,674,897 | 81,221 | 569 | 6,790 | ----- |
| May..... | 64,611 | 1,127,197 | 25,239 | 756 | 30,963 | ----- |
| June..... | 70,532 | 742,509 | 10,230 | 496 | 33,669 | ----- |
| July..... | 184,000 | 1,886,927 | 131,112 | 744 | 16,819 | 51,787 |
| August..... | 54,171 | 1,499,606 | 22,730 | 916 | 1,923 | 1,482 |
| September..... | 110,581 | 1,315,342 | 160,522 | 642 | 489 | ----- |
| October..... | 92,256 | 1,269,580 | 281,602 | 786 | 1,016 | ----- |
| November..... | 100,053 | 1,707,929 | 141,198 | 2,796 | 4,520 | 13,786 |
| December..... | 144,221 | 1,748,496 | 66,370 | 1,861 | 7,087 | 26,560 |
| Totals..... | 1,225,183 | 16,823,743 | 929,216 | 12,392 | 123,998 | 93,615 |
| Totals, 1890..... | 1,182,111 | 13,019,910 | 313,313 | 28,447 | 78,337 | 96,012 |
| Totals, 1889..... | 1,109,126 | 12,257,046 | 880,331 | 59,323 | 26,486 | ----- |
| Totals, 1888..... | 806,489 | 11,708,261 | 1,029,361 | 85,986 | 51,041 | ----- |
| Totals, 1887..... | 783,180 | 9,140,689 | 416,583 | ----- | ----- | ----- |
| Totals, 1886..... | 1,104,396 | 15,874,268 | 760,606 | ----- | ----- | ----- |

RECEIPTS OF PRODUCE AT THE PORT OF SAN FRANCISCO, FROM ALL SOURCES, FROM JANUARY 1, 1891, TO DECEMBER 31, 1891.

| MONTH. | Flour— Quarter Sacks. | Wheat— Centals. | Barley— Centals. | Oats— Centals. | Beans— Sacks. | Corn— Centals. | Rye— Centals. | Potatoes— Sacks. | Hay— Tons. | Hops— Bales. | Flax— Sacks. | Mustard— Sacks. | Wool— Bales. |
|---------------|-----------------------------|--------------------|---------------------|-------------------|------------------|-------------------|------------------|---------------------|---------------|-----------------|-----------------|--------------------|-----------------|
| January | 501,385 | 1,335,873 | 139,774 | 43,793 | 12,293 | 20,035 | 3,108 | 119,232 | 7,298 | 142 | 18,086 | 480 | 744 |
| February | 515,785 | 1,348,440 | 107,308 | 49,655 | 34,723 | 14,858 | 5,555 | 112,991 | 5,294 | 217 | 5,077 | 2,220 | 90 |
| March | 501,016 | 2,153,262 | 111,647 | 38,603 | 19,389 | 10,529 | 2,740 | 107,659 | 6,960 | 234 | 6,860 | 1,163 | 2,782 |
| April | 611,870 | 1,436,786 | 128,751 | 10,479 | 23,329 | 38,329 | 4,472 | 109,130 | 7,149 | 39 | 1,692 | 235 | 17,657 |
| May | 305,033 | 1,083,662 | 145,023 | 39,794 | 24,788 | 46,133 | 4,828 | 79,400 | 7,316 | 48 | 5,867 | 353 | 14,374 |
| June | 352,228 | 768,716 | 197,488 | 30,535 | 20,341 | 47,973 | 12,549 | 91,784 | 12,458 | 96 | 5,384 | 824 | 10,829 |
| July | 503,579 | 1,436,467 | 314,078 | 27,966 | 9,986 | 29,623 | 44,664 | 101,866 | 15,826 | 85 | 5,820 | 888 | 7,500 |
| August | 430,203 | 1,760,189 | 270,608 | 56,046 | 12,528 | 4,940 | 4,303 | 69,777 | 18,218 | 145 | 35 | 5,920 | 6,920 |
| September | 427,366 | 1,342,443 | 392,273 | 84,955 | 34,022 | 6,864 | 5,069 | 78,136 | 17,793 | 2,059 | 2,920 | 5,804 | 9,079 |
| October | 513,459 | 1,619,185 | 511,891 | 84,662 | 108,265 | 39,492 | 4,557 | 184,337 | 12,800 | 3,819 | 7,112 | 11,371 | 12,964 |
| November | 525,619 | 1,669,303 | 277,352 | 85,749 | 69,635 | 68,751 | 20,156 | 113,769 | 6,622 | 1,997 | 12,806 | 2,220 | 3,441 |
| December | 644,315 | 2,226,311 | 116,857 | 43,578 | 32,211 | 59,377 | 27,339 | 106,466 | 6,306 | 532 | 6,742 | 128 | 972 |
| Totals, 1891. | 5,862,388 | 18,183,133 | 2,710,538 | 565,782 | 402,076 | 399,904 | 139,896 | 1,274,607 | 126,540 | 9,413 | 69,011 | 24,851 | 86,352 |
| Totals, 1890. | 5,917,700 | 14,209,236 | 1,851,346 | 532,332 | 420,595 | 367,690 | 146,967 | 1,355,418 | 132,042 | 10,154 | 56,155 | 29,412 | 101,490 |
| Totals, 1889. | 5,597,109 | 13,246,621 | 2,255,560 | 596,494 | 368,135 | 213,712 | 51,273 | 1,351,897 | 124,264 | 14,149 | 72,203 | 27,941 | 109,746 |
| Totals, 1888. | 4,354,420 | 12,917,228 | 2,792,631 | 609,529 | 299,057 | 221,098 | 28,543 | 1,289,430 | 127,701 | 17,962 | 96,905 | 26,108 | 105,338 |
| Totals, 1887. | 3,600,345 | 9,602,631 | 2,055,366 | 414,312 | 423,530 | 231,600 | 32,277 | 951,200 | 117,360 | ----- | 58,133 | 37,734 | 110,769 |
| Totals, 1886. | 4,885,772 | 16,527,503 | 2,184,660 | 508,717 | 361,520 | 218,100 | 26,275 | 1,079,593 | 99,442 | ----- | 88,704 | 43,823 | 114,068 |
| Totals, 1885. | 5,340,092 | 13,053,685 | 1,244,311 | 717,013 | 367,233 | 157,309 | 62,335 | 1,192,461 | 79,560 | ----- | 81,444 | 11,866 | 118,237 |

REPORT OF FLOUR AND GRAIN REMAINING IN THE STATE OF CALIFORNIA ON DECEMBER 1, 1891.

| | Flour— Barrels. | Wheat— Centals. | Barley— Centals. | Oats— Centals. | Beans— Sacks. | Corn— Centals. | Rye— Centals. |
|--|--------------------|--------------------|---------------------|-------------------|------------------|-------------------|------------------|
| San Francisco and Oakland Wharf, including that afloat in harbor and transit. | 28,514 | 671,595 | 432,042 | 114,621 | 69,286 | 48,145 | 28,435 |
| Sonoma, Humboldt, Napa, Solano, Yolo, Colusa, and Glenn Counties. | 41,300 | 1,746,840 | 290,095 | 28,500 | 700 | 6,880 | ----- |
| Sacramento, Yuba, Sutter, Butte, and Tehama Counties. | 23,670 | 1,036,725 | 140,615 | 1,380 | 2,850 | 15,800 | ----- |
| Contra Costa and Alameda Counties. | 2,020 | 2,005,210 | 308,365 | 2,010 | 940 | 100 | 200 |
| San Joaquin, Stanislaus, Merced, Fresno, Tulare, and Kern Counties. | 26,640 | 2,432,975 | 1,318 | 1,318 | 130 | 610 | 5,910 |
| San Mateo, Santa Clara, San Benito, Santa Cruz, Monterey, and S. L. Obispo. | 11,745 | 662,940 | 768,365 | 18,255 | 81,155 | 580 | ----- |
| Santa Barbara, Ventura, Los Angeles, Orange, San Bernardino, and San Diego Counties. | 6,145 | 308,320 | 730,710 | 2,320 | 120,075 | 191,140 | 5,000 |
| Totals. | 140,043 | 9,964,575 | 2,883,602 | 108,404 | 275,126 | 263,255 | 30,545 |

COMPARATIVE STATEMENT.

| | Flour— Barrels. | Wheat— Centals. | Barley— Centals. | Oats— Centals. | Beans— Sacks. | Corn— Centals. | Rye— Centals. |
|---------------------|--------------------|--------------------|---------------------|-------------------|------------------|-------------------|------------------|
| June 1, 1891 | 121,166 | 1,626,502 | 352,882 | 45,074 | 46,682 | 76,738 | 14,136 |
| December 1, 1890 .. | 118,123 | 12,168,963 | 1,615,656 | 61,085 | 174,291 | 302,921 | 37,160 |
| June 1, 1890 | 81,090 | 4,801,063 | 1,004,457 | 61,235 | 39,508 | 91,111 | 15,892 |
| December 1, 1889 .. | 116,225 | 15,300,368 | 3,321,800 | 120,356 | 107,419 | 134,915 | 66,540 |
| June 1, 1889 | 100,565 | 2,062,430 | 2,052,630 | 119,245 | 60,415 | 38,925 | 10,215 |
| December 1, 1888 .. | 96,906 | 10,819,630 | 4,087,060 | 120,175 | 235,820 | 266,747 | 7,040 |
| July 1, 1888 | 71,920 | 3,881,900 | 2,063,460 | 62,066 | 33,675 | 82,200 | 800 |
| January 1, 1888 .. | 59,979 | 9,730,060 | 4,522,990 | 65,380 | 106,925 | 121,300 | 4,350 |
| July 1, 1887 | 50,275 | 2,790,400 | 798,500 | 42,400 | 74,406 | 72,330 | 1,360 |
| January 1, 1887 .. | 89,605 | 7,812,850 | 2,590,250 | 47,400 | 243,505 | 136,650 | 44,660 |
| July 1, 1886 | 102,325 | 1,252,600 | 114,850 | 31,150 | 108,700 | 27,625 | 1,090 |
| October 10, 1885 .. | 107,180 | 13,768,539 | 1,620,500 | ----- | ----- | ----- | ----- |
| July 1, 1885 | 70,800 | 5,382,900 | 608,150 | 107,440 | 81,280 | 72,100 | 32,875 |
| January 1, 1885 .. | 187,830 | 15,862,210 | 1,933,250 | 304,710 | 168,110 | 146,480 | 61,300 |
| July 1, 1884 | 112,600 | 664,060 | 640,350 | 58,450 | 44,175 | 16,110 | 30,100 |
| January 1, 1884 .. | 177,290 | 6,735,720 | 2,434,150 | 149,330 | 53,050 | 91,220 | 58,910 |
| July 1, 1883 | 77,000 | 979,500 | 820,500 | 10,300 | 54,090 | 57,420 | 8,125 |
| January 1, 1883 .. | 158,893 | 8,381,879 | 1,941,466 | 118,650 | 94,830 | 90,865 | 23,665 |
| July 1, 1882 | 119,324 | 2,822,903 | 162,416 | 21,806 | 48,708 | 61,597 | 3,021 |
| January 1, 1882 .. | 123,151 | 15,191,020 | 823,322 | 85,143 | 96,848 | 157,716 | 32,069 |
| July 1, 1881 | 135,592 | 12,444,278 | 566,028 | 15,744 | 70,780 | 94,210 | 3,820 |
| January 1, 1881 .. | 78,253 | 19,805,466 | 1,651,787 | 96,220 | 113,708 | 228,037 | 17,742 |
| July 1, 1880 | 30,984 | 323,821 | 908,294 | 18,357 | 52,217 | 88,572 | 5,989 |
| January 1, 1880 .. | 83,638 | 4,066,895 | 2,013,980 | 112,351 | 48,904 | 129,715 | 38,712 |
| July 1, 1879 | 37,786 | 566,251 | 806,566 | 26,484 | ----- | 143,002 | 22,237 |
| January 1, 1879 .. | 75,130 | 5,781,168 | 2,207,142 | 137,042 | ----- | 233,584 | 64,384 |
| July 1, 1878 | 20,231 | 284,424 | 147,598 | 29,564 | ----- | 11,066 | 290 |
| January 1, 1878 .. | 57,187 | 2,646,811 | 882,046 | 104,998 | ----- | 110,484 | 3,901 |

STOCKS OF GRAIN IN REGULAR WAREHOUSES—IN TONS.

| | WHEAT. | | Barley. | Oats. | Corn. |
|----------------------|--------------------------|-----------|---------|-------|-------|
| | S. F. and Port Costa. | Stockton. | | | |
| 1891—January 1 | 125,474 | 68,368 | 9,332 | 1,510 | 3,210 |
| February 1 | 121,762 | 67,365 | 9,867 | 1,684 | 3,033 |
| March 1 | 106,896 | 55,838 | 8,948 | 2,394 | 2,009 |
| April 1 | 89,984 | 36,557 | 7,997 | 2,090 | 1,638 |
| May 1 | 60,407 | 21,606 | 6,607 | 1,659 | 1,392 |
| June 1 | 24,876 | 13,195 | 6,541 | 1,927 | 1,166 |
| July 1 | 10,008 | 9,190 | 9,154 | 1,219 | 792 |
| August 1 | 32,117 | 18,500 | 10,044 | 1,489 | 799 |
| September 1 | 95,050 | 61,076 | 14,556 | 1,567 | 737 |
| October 1 | 136,072 | 92,431 | 15,968 | 3,585 | 523 |
| November 1 | 141,449 | 87,730 | 21,995 | 4,580 | 719 |
| December 1 | 133,298 | 70,284 | 17,486 | 5,378 | 2,266 |
| 1892—January 1 | 98,932 | 54,154 | 17,955 | 5,032 | 3,350 |

ARRIVALS OF NEW WHEAT.

The date of arrival of new wheat at tidewater each year since that cereal was first produced in quantity, and market prices of No. 1 wheat at such times, are given below:

| YEAR. | Month. | Price. |
|-----------|--------------|---------------|
| 1891..... | May 24..... | \$1 75 @ ---- |
| 1890..... | May 20..... | 1 30 @ ---- |
| 1889..... | May 24..... | 1 40 @ ---- |
| 1888..... | June 15..... | 1 31½ @ ---- |
| 1887..... | June 11..... | 1 85 @ ---- |
| 1886..... | June 5..... | 1 25 @ ---- |
| 1885..... | June 3..... | 1 42½ @ ---- |
| 1884..... | June 30..... | 1 45 @ \$1 45 |
| 1883..... | June 19..... | 1 65 @ ---- |
| 1882..... | June 6..... | 1 67 @ ---- |
| 1881..... | June 7..... | 1 25 @ 1 40 |
| 1880..... | June 24..... | 1 00 @ ---- |
| 1879..... | June 20..... | 1 65 @ ---- |
| 1878..... | June 18..... | 1 70 @ ---- |
| 1877..... | June 2..... | 2 40 @ ---- |
| 1876..... | June 9..... | 1 75 @ ---- |
| 1875..... | June 2..... | 1 65 @ 1 67 |
| 1874..... | June 11..... | 1 65 @ 1 67 |
| 1873..... | June 7..... | 1 75 @ 1 80 |
| 1872..... | June 10..... | 1 80 @ 1 85 |
| 1871..... | June 23..... | 2 80 @ 2 37 |
| 1870..... | June 9..... | 1 70 @ 1 80 |
| 1869..... | June 15..... | 1 40 @ 1 45 |
| 1868..... | June 18..... | 1 80 @ 2 00 |
| 1867..... | June 17..... | 1 65 @ 1 70 |
| 1866..... | June 25..... | 1 50 @ 1 60 |
| 1865..... | June 12..... | 2 20 @ 2 25 |
| 1864..... | July 9..... | 2 80 @ 2 95 |
| 1863..... | July 25..... | 1 50 @ 1 60 |
| 1862..... | July 11..... | 1 62 @ 1 65 |
| 1861..... | July 24..... | 1 50 @ 1 62 |
| 1860..... | July 8..... | 1 50 @ 1 55 |
| 1859..... | July 14..... | 1 90 @ 2 00 |

RAINFALL AND WHEAT.

The following table shows the rainfall at San Francisco for a series of years, and the crop of wheat raised:

| SEASON. | Inches. | Crop. | Cents. |
|--------------|---------|-------|-------------|
| 1877-78..... | 31.12 | 1878 | 22,825,000 |
| 1878-79..... | 24.66 | 1879 | 19,801,000 |
| 1879-80..... | 26.38 | 1880 | 34,150,000 |
| 1880-81..... | 29.86 | 1881 | 20,000,000 |
| 1881-82..... | 16.14 | 1882 | 21,000,000 |
| 1882-83..... | 20.12 | 1883 | 20,100,000 |
| 1883-84..... | 32.28 | 1884 | 28,880,000 |
| 1884-85..... | 18.10 | 1885 | 15,177,980 |
| 1885-86..... | 33.05 | 1886 | 21,394,880 |
| 1886-87..... | 19.04 | 1887 | 17,815,880 |
| 1887-88..... | 16.74 | 1888 | 18,648,080 |
| 1888-89..... | 22.06 | 1889 | 25,174,940 |
| 1889-90..... | 45.84 | 1890 | 18,849,680 |
| 1890-91..... | 17.68 | 1891 | *21,000,000 |

* Estimated.

STATISTICS CROP YEAR 1890-91.

| | Wheat—Tons. |
|--|-------------|
| Exports flour, twelve months ending May 31, 1891, 1,226,056 barrels..... | 177,153 |
| Exports wheat, twelve months ending May 31, 1891..... | 694,237 |
| Total exports..... | 869,420 |
| Local consumption, twelve months..... | 190,000 |
| Seed and feed..... | 125,000 |
| Stock in State June 1, 1891..... | 98,897 |
| Total..... | 1,283,317 |
| Deduct— | Wheat—Tons. |
| Flour from Oregon and Washington, equals..... | 12,887 |
| Wheat from Oregon and Washington..... | 74,185 |
| Total imports..... | 87,022 |
| Stock carried over June 1, 1890..... | 251,811 |
| | 338,833 |
| Crop of 1890..... | 944,484 |
| N. B.—A barrel of flour taken at an equivalent of 290 pounds of wheat. | |

AVERAGE PRICE OF NO. 1 FEED BARLEY.

| | | | |
|--------------|----------------------|--------------|----------------------|
| 1890-91..... | \$1 39 $\frac{7}{8}$ | 1882-83..... | \$1 25 $\frac{3}{4}$ |
| 1889-90..... | 81 $\frac{1}{2}$ | 1881-82..... | 1 53 |
| 1888-89..... | 75 $\frac{1}{2}$ | 1880-81..... | 1 44 |
| 1887-88..... | 79 $\frac{1}{2}$ | 1878-80..... | 89 $\frac{1}{2}$ |
| 1886-87..... | 1 00 $\frac{1}{2}$ | 1878-79..... | 74 |
| 1885-86..... | 1 28 | 1877-78..... | 88 |
| 1884-85..... | 97 $\frac{1}{2}$ | 1876-77..... | 1 44 $\frac{1}{2}$ |
| 1883-84..... | 94 $\frac{1}{2}$ | | |

ARRIVALS OF NEW BARLEY.

The first receipts of new barley for a series of years past, and the prices brought, are annexed:

| YEAR. | Month. | Price. |
|-----------|--------------|----------------------|
| 1891..... | June 6..... | \$1 42 $\frac{1}{2}$ |
| 1890..... | May 31..... | 1 08 $\frac{1}{2}$ |
| 1889..... | June 1..... | 75 |
| 1888..... | June 5..... | 92 $\frac{1}{2}$ |
| 1887..... | June 4..... | 1 15 |
| 1886..... | May 27..... | 1 10 |
| 1885..... | June 16..... | 1 25 |
| 1884..... | July 9..... | 90 |
| 1883..... | June 25..... | 95 |
| 1882..... | June 12..... | 1 65 |
| 1881..... | June 21..... | 90 |
| 1880..... | June 24..... | 68 $\frac{1}{2}$ |
| 1879..... | June 30..... | 75 |
| 1878..... | June 11..... | 80 |
| 1877..... | June 30..... | 1 55 |
| 1876..... | May 30..... | 90 |
| 1875..... | June 20..... | 1 35 |
| 1874..... | June 9..... | 1 45 |
| 1873..... | June 5..... | 1 10 |
| 1872..... | June 6..... | 1 40 |
| 1871..... | June 12..... | 1 57 $\frac{1}{2}$ |
| 1870..... | June 19..... | 1 20 |

AVERAGE PRICE OF WHEAT.

The average price of No. 1 wheat, spot, each year since 1864-65, has been as follows:

| Year. | Per Cental. | Year. | Per Cental. |
|--------------|----------------------|--------------|----------------------|
| 1890-91..... | \$1 46 $\frac{1}{2}$ | 1876-77..... | \$1 92 $\frac{1}{2}$ |
| 1889-90..... | 1 28 $\frac{3}{4}$ | 1875-76..... | 1 93 $\frac{1}{2}$ |
| 1888-89..... | 1 34 $\frac{1}{2}$ | 1874-75..... | 1 62 |
| 1887-88..... | 1 40 $\frac{1}{2}$ | 1873-74..... | 2 05 $\frac{1}{2}$ |
| 1886-87..... | 1 52 $\frac{1}{2}$ | 1872-73..... | 1 76 $\frac{1}{2}$ |
| 1885-86..... | 1 48 $\frac{1}{2}$ | 1871-72..... | 2 34 |
| 1884-85..... | 1 31 $\frac{1}{2}$ | 1870-71..... | 2 20 $\frac{1}{2}$ |
| 1883-84..... | 1 64 $\frac{1}{2}$ | 1869-70..... | 1 69 |
| 1882-83..... | 1 78 $\frac{1}{2}$ | 1868-69..... | 1 87 |
| 1881-82..... | 1 60 | 1867-68..... | 2 86 |
| 1880-81..... | 1 42 $\frac{1}{2}$ | 1866-67..... | 1 78 |
| 1879-80..... | 1 82 | 1865-66..... | 2 11 |
| 1878-79..... | 1 67 $\frac{1}{2}$ | 1864-65..... | 4 06 |
| 1877-78..... | 2 18 | | |

BARLEY SHIPMENTS—1891.

| MONTH. | SAN FRANCISCO—BY SEA. | |
|-------------------|-----------------------|-----------------------|
| | Foreign— Centals. | Domestic— Centals. |
| January..... | 17,558 | 11,212 |
| February..... | 18,492 | ----- |
| March..... | 12,780 | ----- |
| April..... | 81,221 | ----- |
| May..... | 25,239 | ----- |
| June..... | 10,230 | ----- |
| July..... | 128,465 | 13,347 |
| August..... | 14,816 | 8,414 |
| September..... | 98,437 | 67,085 |
| October..... | 221,725 | 59,877 |
| November..... | 138,478 | 2,720 |
| December..... | 65,370 | ----- |
| Totals, 1891..... | 772,261 | 162,655 |
| Totals, 1890..... | 227,777 | 90,536 |

SHIPMENTS OF BEANS, IN CENTALS, FOR 1891.

| MONTH. | FROM SAN FRANCISCO. | | FROM CALIFORNIA. |
|-------------------|---------------------|-------------------------|------------------|
| | Foreign, by Sea. | To Atlantic, by Sea. | By Rail. |
| January..... | 1,377 | 407 | 28,295 |
| February..... | 1,547 | 1,383 | 7,228 |
| March..... | 1,409 | ----- | 14,043 |
| April..... | 2,179 | 2,760 | 18,905 |
| May..... | 1,191 | 4,886 | 7,619 |
| June..... | 1,791 | 1,379 | 5,081 |
| July..... | 5,430 | ----- | 5,442 |
| August..... | 1,641 | 698 | 7,006 |
| September..... | 4,101 | ----- | 22,117 |
| October..... | 1,724 | ----- | 100,067 |
| November..... | 3,586 | 54 | 57,012 |
| December..... | 3,097 | 1,879 | 15,731 |
| Totals, 1891..... | 29,073 | 13,446 | 288,546 |
| Totals, 1890..... | 19,492 | 8,161 | 236,442 |

WHEAT QUOTATIONS FOR 1891.

Highest, lowest, and average prices of No. 1 shipping wheat for each month of the year, compiled from actual transactions in Sample Board.

| MONTH. | Highest Price. | Lowest Price. | Average for Month. |
|-----------------|--------------------|--------------------|----------------------|
| January | \$1 40 | \$1 30 | \$1 36 $\frac{1}{2}$ |
| February | 1 45 | 1 38 $\frac{1}{2}$ | 1 41 $\frac{1}{2}$ |
| March | 1 52 $\frac{1}{2}$ | 1 41 $\frac{1}{2}$ | 1 48 $\frac{1}{2}$ |
| April | 1 85 | 1 50 | 1 63 $\frac{1}{2}$ |
| May | 1 82 $\frac{1}{2}$ | 1 75 | 1 78 $\frac{1}{2}$ |
| June | 1 80 | 1 57 $\frac{1}{2}$ | 1 79 |
| July | 1 58 $\frac{1}{2}$ | 1 43 $\frac{1}{2}$ | 1 48 $\frac{1}{2}$ |
| August | 1 72 $\frac{1}{2}$ | 1 53 $\frac{1}{2}$ | 1 62 $\frac{1}{2}$ |
| September | 1 71 $\frac{1}{2}$ | 1 60 | 1 64 |
| October | 1 71 $\frac{1}{2}$ | 1 66 $\frac{1}{2}$ | 1 68 $\frac{1}{2}$ |
| November | 1 80 | 1 67 $\frac{1}{2}$ | 1 82 $\frac{1}{2}$ |
| December | 1 85 | 1 78 $\frac{1}{2}$ | 1 80 $\frac{1}{2}$ |

BARLEY QUOTATIONS FOR 1891.

Highest, lowest, and average prices of No. 1 feed barley for each month of the year. Quotations based upon actual sales.

| MONTH. | Highest Price. | Lowest Price. | Average for Month. |
|-----------------|----------------------|----------------------|--------------------|
| January | \$1 53 $\frac{1}{2}$ | \$1 47 $\frac{1}{2}$ | \$1 51 |
| February | 1 52 $\frac{1}{2}$ | 1 25 | 1 45 $\frac{1}{2}$ |
| March | 1 43 $\frac{1}{2}$ | 1 32 $\frac{1}{2}$ | 1 37 $\frac{1}{2}$ |
| April | 1 51 $\frac{1}{2}$ | 1 35 | 1 41 $\frac{1}{2}$ |
| May | 1 62 $\frac{1}{2}$ | 1 42 $\frac{1}{2}$ | 1 49 $\frac{1}{2}$ |
| June | 1 83 $\frac{1}{2}$ | 1 65 | 1 12 $\frac{1}{2}$ |
| July | 1 20 | 1 00 | 1 13 $\frac{1}{2}$ |
| August | 1 18 $\frac{1}{2}$ | 1 06 | 1 10 $\frac{1}{2}$ |
| September | 1 10 | 1 05 | 1 07 |
| October | 1 08 $\frac{1}{2}$ | 1 02 $\frac{1}{2}$ | 1 06 $\frac{1}{2}$ |
| November | 1 15 | 1 02 $\frac{1}{2}$ | 1 10 |
| December | 1 15 | 1 06 | 1 10 $\frac{1}{2}$ |

NATIONALITY OF TONNAGE.

The following table shows the nationality of grain vessels sailing each month of the past season:

| MONTH. | American. | British. | Miscellaneous. | Total. |
|--------------------|-----------|----------|----------------|--------|
| 1890—July | 5 | 8 | 0 | 13 |
| August | 8 | 14 | 1 | 23 |
| September | 3 | 7 | 1 | 11 |
| October | 6 | 17 | 1 | 24 |
| November | 2 | 17 | 4 | 23 |
| December | 3 | 19 | 5 | 27 |
| 1891—January | 5 | 16 | 3 | 24 |
| February | 6 | 14 | 2 | 22 |
| March | 6 | 24 | 3 | 33 |
| April | 3 | 26 | 1 | 30 |
| May | 4 | 13 | 4 | 21 |
| June | 8 | 11 | 0 | 14 |
| Total | 54 | 186 | 25 | 265 |

AMERICAN VS. FOREIGN SHIPS.

The following table shows the proportion of American to foreign ships engaged in the grain trade of this port, each year, for eighteen years:

| SEASON. | American. | Foreign. | Total. |
|--------------|-----------|----------|--------|
| 1890-91..... | 54 | 218 | 267 |
| 1889-90..... | 55 | 229 | 284 |
| 1888-89..... | 60 | 229 | 289 |
| 1887-88..... | 33 | 165 | 198 |
| 1886-87..... | 55 | 227 | 282 |
| 1885-86..... | 88 | 161 | 249 |
| 1884-85..... | 118 | 255 | 371 |
| 1883-84..... | 81 | 210 | 291 |
| 1882-83..... | 169 | 202 | 371 |
| 1881-82..... | 154 | 405 | 559 |
| 1880-81..... | 132 | 224 | 356 |
| 1879-80..... | 113 | 160 | 273 |
| 1878-79..... | 88 | 186 | 269 |
| 1877-78..... | 50 | 59 | 109 |
| 1876-77..... | 94 | 213 | 307 |
| 1875-76..... | 82 | 92 | 174 |
| 1874-75..... | 62 | 203 | 265 |
| 1873-74..... | 91 | 156 | 247 |
| 1872-73..... | 136 | 203 | 339 |

WHEAT FREIGHTS.

Table showing highest, lowest, and average prices for freights for each month of the year 1891:

| MONTH. | Highest. | | | Lowest. | | | Average. | | |
|------------|----------|----|----|---------|----|----|----------|----|----|
| January— | £ | s. | d. | £ | s. | d. | £ | s. | d. |
| Wood..... | 2 | 0 | 0 | 1 | 17 | 6 | 1 | 19 | 0 |
| Iron..... | 2 | 3 | 9 | 2 | 0 | 0 | 2 | 2 | 4 |
| February— | | | | | | | | | |
| Wood..... | 1 | 17 | 6 | 1 | 13 | 9 | 1 | 15 | 8 |
| Iron..... | 2 | 0 | 0 | 1 | 17 | 0 | 1 | 18 | 4 |
| March— | | | | | | | | | |
| Wood..... | 1 | 17 | 6 | 1 | 17 | 6 | 1 | 17 | 6 |
| Iron..... | 2 | 1 | 8 | 2 | 0 | 0 | 2 | 0 | 4 |
| April— | | | | | | | | | |
| Wood..... | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| Iron..... | 2 | 3 | 6 | 2 | 2 | 8 | 2 | 3 | 0 |
| May— | | | | | | | | | |
| Wood..... | 2 | 2 | 6 | 2 | 0 | 0 | 2 | 1 | 3 |
| Iron..... | 2 | 2 | 6 | 2 | 2 | 6 | 2 | 2 | 6 |
| June— | | | | | | | | | |
| Wood..... | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| Iron..... | 2 | 4 | 6 | 2 | 4 | 6 | 2 | 4 | 6 |
| July— | | | | | | | | | |
| Wood..... | 2 | 1 | 3 | 2 | 0 | 0 | 2 | 0 | 7 |
| Iron..... | 2 | 6 | 0 | 2 | 5 | 0 | 2 | 5 | 2 |
| August— | | | | | | | | | |
| Wood..... | 2 | 5 | 0 | 2 | 0 | 0 | 2 | 0 | 7 |
| Iron..... | 2 | 10 | 0 | 2 | 5 | 6 | 2 | 7 | 9 |
| September— | | | | | | | | | |
| Wood..... | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| Iron..... | 2 | 10 | 0 | 2 | 6 | 3 | 2 | 8 | 1 |
| October— | | | | | | | | | |
| Wood..... | 1 | 17 | 6 | 1 | 16 | 3 | 1 | 16 | 10 |
| Iron..... | 2 | 7 | 6 | 1 | 17 | 6 | 2 | 0 | 5 |
| November— | | | | | | | | | |
| Wood..... | 1 | 13 | 0 | 1 | 8 | 9 | 1 | 10 | 7 |
| Iron..... | 1 | 17 | 0 | 1 | 10 | 0 | 1 | 13 | 3 |
| December— | | | | | | | | | |
| Wood..... | | | | | | | | | |
| Iron..... | 1 | 13 | 9 | 1 | 2 | 6 | 1 | 6 | 6 |

Average Rates for Season.

| SEASON. | Wood. | | | Iron. | | |
|--------------|-------|----|----|-------|----|----|
| | £ | s. | d. | £ | s. | d. |
| 1890-91..... | 1 | 18 | 10 | 2 | 1 | 11 |
| 1889-90..... | 1 | 13 | 5 | 1 | 17 | 3 |
| 1888-89..... | 1 | 8 | 3 | 1 | 12 | 7 |
| 1887-88..... | 1 | 5 | 6 | 1 | 8 | 2 |
| 1886-87..... | 1 | 6 | 1 | 1 | 8 | 2 |
| 1885-86..... | 1 | 9 | 3 | 1 | 12 | 6 |
| 1884-85..... | 1 | 14 | 2 | 1 | 18 | 0 |
| 1883-84..... | 1 | 5 | 8 | 1 | 14 | 3 |
| 1882-83..... | 2 | 3 | 6 | 2 | 6 | 9 |
| 1881-82..... | 3 | 5 | 7 | 3 | 7 | 3 |
| 1880-81..... | 3 | 6 | 9 | 3 | 13 | 0 |

Old Records.

Prior to 1880, rates for iron and wooden ships were not separated, but the following rates are quoted for a series of years, the highest rate being £5 13s for the wooden ship "Agenor" to Liverpool direct:

| SEASON. | Average. | | | Highest. | | | Lowest. | | |
|--------------|----------|----|----|----------|----|----|---------|----|----|
| | £ | s. | d. | £ | s. | d. | £ | s. | d. |
| 1879-80..... | 2 | 15 | 0 | 3 | 10 | 0 | 1 | 19 | 0 |
| 1878-79..... | 2 | 10 | 0 | 3 | 0 | 0 | 1 | 10 | 0 |
| 1877-78..... | 2 | 0 | 0 | 2 | 10 | 0 | 1 | 12 | 6 |
| 1876-77..... | 3 | 0 | 0 | 3 | 12 | 0 | 1 | 17 | 6 |
| 1875-76..... | 2 | 10 | 0 | 3 | 2 | 6 | 2 | 0 | 0 |
| 1874-75..... | 3 | 10 | 0 | 4 | 11 | 6 | 2 | 0 | 0 |
| 1873-74..... | 4 | 2 | 6 | 5 | 5 | 0 | 3 | 10 | 0 |
| 1872-73..... | 4 | 5 | 0 | 5 | 13 | 0 | 3 | 0 | 0 |

Number of Wheat Vessels Dispatched.

| MONTH. | No. | MONTH. | No. |
|----------------|-----|-------------------|-----|
| 1890—July..... | 13 | 1891—January..... | 24 |
| August..... | 23 | February..... | 22 |
| September..... | 11 | March..... | 33 |
| October..... | 24 | April..... | 30 |
| November..... | 23 | May..... | 21 |
| December..... | 27 | June..... | 14 |

| | |
|---------------------|-----|
| Total, 1890-91..... | 266 |
| Total, 1889-90..... | 284 |
| Total, 1888-89..... | 289 |
| Total, 1887-88..... | 158 |
| Total, 1886-87..... | 282 |
| Total, 1885-86..... | 249 |
| Total, 1884-85..... | 371 |
| Total, 1883-84..... | 291 |
| Total, 1882-83..... | 371 |
| Total, 1881-82..... | 559 |
| Total, 1880-81..... | 358 |

CASH PRICES IN SAN FRANCISCO, CAL., ON THE FIRST OF EACH MONTH, FROM JANUARY 1 TO JULY 1, 1891.

| ARTICLE. | Unit of Measure. | January, 1891. | February, 1891. | March, 1891. | April, 1891. | May, 1891. | June, 1891. | July, 1891. |
|---------------------------------|------------------|----------------|-----------------|----------------|----------------|-----------------|----------------|----------------|
| WHEAT—Milling..... | Cental. | \$1 37½ @ 1 40 | \$1 40 @ 1 42½ | \$1 45 @ 1 47½ | \$1 57½ @ 1 60 | \$1 77½ @ 1 82½ | \$1 80 @ 1 82½ | \$1 57½ @ 1 60 |
| No. 1 White..... | Cental. | 1 35 | 1 37½ | 1 43½ | 1 53½ @ 1 55 | 1 73½ @ 1 78½ | 1 70 @ 1 72½ | 1 52½ |
| No. 1 Amber..... | Cental. | 1 33½ | 1 36½ | 1 42½ | 1 53½ @ 1 55 | 1 72½ @ 1 75 | 1 70 @ 1 71½ | 1 52½ |
| BARLEY—No. 1 Chevalier..... | Cental. | None. | None. | None. | None. | None. | None. | None. |
| No. 1 Brewing..... | Cental. | 1 55 @ 1 57½ | 1 57½ @ 1 60 | 1 42½ @ 1 45 | 1 45 @ 1 47½ | 1 55 @ 1 57½ | 1 67½ @ 1 70 | 1 60 |
| No. 2 Brewing..... | Cental. | 1 52½ @ 1 55 | 1 55 @ 1 57½ | 1 40 @ 1 42½ | 1 42½ @ 1 45 | 1 52½ @ 1 55 | 1 65 @ 1 67½ | 1 55 |
| No. 1 Feed..... | Cental. | 1 47½ @ 1 50 | 1 50 @ 1 52½ | 1 37½ | 1 37½ @ 1 40 | 1 47½ @ 1 50 | 1 60 @ 1 62½ | 1 00 @ 1 02½ |
| OATS—Milling..... | Cental. | 1 92½ @ 1 95 | 1 95 | 1 85 @ 1 87½ | 1 80 @ 1 82½ | 1 87½ @ 1 92½ | 1 90 @ 1 92½ | None. |
| No. 1..... | Cental. | 1 87½ @ 1 90 | 1 90 @ 1 92½ | 1 85 @ 1 87½ | 1 75 @ 1 77½ | 1 85 @ 1 87½ | 1 85 @ 1 87½ | 1 62½ @ 1 67½ |
| No. 2..... | Cental. | 1 82½ @ 1 85 | 1 85 @ 1 87½ | 1 75 @ 1 77½ | 1 70 @ 1 72½ | 1 80 @ 1 82½ | 1 80 @ 1 82½ | 1 60 |
| CORN—No. 1 Large Yellow..... | Cental. | 1 32½ @ 1 35 | 1 35 @ 1 37½ | 1 30 @ 1 32½ | 1 35 @ 1 37½ | 1 47½ @ 1 50 | 1 75 @ 1 77½ | 1 92½ @ 1 95 |
| No. 1 White..... | Cental. | 1 32½ @ 1 35 | 1 35 @ 1 37½ | 1 35 @ 1 37½ | 1 35 @ 1 37½ | 1 65 @ 1 67½ | 2 10 @ 2 15 | 2 10 @ 2 20 |
| No. 1 Small Round..... | Cental. | 1 32½ @ 1 35 | 1 35 @ 1 37½ | 1 35 @ 1 37½ | 1 35 @ 1 37½ | 1 62½ @ 1 65 | 1 80 | 1 95 @ 2 00 |
| RYE—No. 1..... | Cental. | 1 32½ @ 1 35 | 1 35 @ 1 37½ | 1 35 @ 1 37½ | 1 35 @ 1 37½ | 1 37½ @ 1 40 | 1 32½ @ 1 35 | 1 30 |
| FLOUR—Family Extra..... | Barrel. | 4 20 @ 4 25 | 4 20 @ 4 25 | 4 20 @ 4 25 | 4 60 @ 4 65 | 5 10 @ 5 50 | 5 10 @ 5 50 | 5 20 @ 5 30 |
| Bakers'..... | Barrel. | 2 80 @ 2 95 | 2 80 @ 2 95 | 2 80 @ 2 95 | 3 20 @ 3 45 | 4 25 @ 4 30 | 4 25 @ 4 30 | 4 25 @ 4 30 |
| POTATOES—Good Merchantable..... | Cental. | 90 @ 1 15 | 90 @ 1 15 | 75 @ 80 | 70 @ 1 00 | 60 @ 1 00 | 60 @ 90 | 50 @ 75 |
| HAY—No. 1 Wheat..... | Ton. | 17 00 @ 18 00 | 18 00 @ 19 00 | 18 00 @ 19 00 | 16 00 @ 18 00 | 17 00 @ 19 00 | 17 00 @ 19 00 | 12 00 @ 13 00 |
| No. 1 Barley..... | Ton. | 12 00 | 14 00 @ 15 00 | 14 00 @ 15 00 | 13 00 @ 15 00 | 14 00 @ 15 00 | 14 00 @ 15 00 | 10 00 @ 11 00 |
| No. 1 Oat..... | Ton. | 13 00 @ 14 50 | 15 00 @ 16 00 | 15 00 @ 16 00 | 14 00 @ 16 00 | 15 00 @ 16 00 | 14 00 @ 15 00 | 11 00 @ 12 00 |
| BUTTER—Fancy..... | Pound. | 37½ @ 40 | 36 @ 37½ | 30 @ 32 | 20 @ 22½ | 19 @ 20 | 21 @ 22 | 21½ @ 22½ |
| Good to Choice..... | Pound. | 32½ @ 36 | 34 @ 35 | 28 @ 30 | 19 @ 20 | 18 @ 19 | 19 @ 20 | 19½ @ 21 |
| Common..... | Pound. | 25 @ 30 | 26 @ 30 | 23 @ 26 | 16 @ 18 | 15 @ 17 | 17 @ 18 | 17 @ 18 |
| CHEESE—New..... | Pound. | 11 @ 13 | 11 @ 13 | 12½ @ 14 | 11 @ 12½ | 10 @ 11½ | 9½ @ 10½ | 9 @ 9½ |
| Eggs—Choice..... | Dozen. | 30 @ 32½ | 27 @ 30 | 18 @ 20 | 18 @ 19 | 19 @ 20 | 21 @ 22 | 20 @ 23 |
| Store..... | Dozen. | 27½ @ 29 | 26 @ 27 | 17 @ 18 | 16 @ 17 | 17 @ 18 | 18 @ 19 | 16 @ 19 |
| Wool—Northern Spring..... | Pound. | 12 @ 15 | 12 @ 15 | 12 @ 15 | 12 @ 15 | 12 @ 15 | 12 @ 15 | 12 @ 15 |
| Middle Co. Spring..... | Pound. | 11 @ 13 | 11 @ 13 | 11 @ 13 | 11 @ 13 | 11 @ 13 | 11 @ 13 | 11 @ 13 |
| San Joaquin Spring..... | Pound. | 13 @ 14 | 13 @ 14 | 13 @ 14 | 13 @ 14 | 13 @ 14 | 13 @ 14 | 13 @ 14 |
| Southern and Coast Spring..... | Pound. | 14 @ 19 | 14 @ 19 | 14 @ 19 | 14 @ 19 | 14 @ 19 | 14 @ 19 | 14 @ 19 |
| Oregon Eastern..... | Pound. | 20 @ 22 | 20 @ 22 | 20 @ 22 | 20 @ 22 | 20 @ 22 | 20 @ 22 | 20 @ 22 |
| Oregon Valley..... | Pound. | 12 @ 15 | 12 @ 15 | 12 @ 15 | 12 @ 15 | 12 @ 15 | 12 @ 15 | 12 @ 15 |
| Oregon Fall and Lamb..... | Pound. | 11 @ 13 | 11 @ 13 | 11 @ 13 | 11 @ 13 | 11 @ 13 | 11 @ 13 | 11 @ 13 |
| Northern Fall..... | Pound. | 9 @ 11 | 9 @ 11 | 9 @ 11 | 9 @ 11 | 9 @ 11 | 9 @ 11 | 9 @ 11 |
| Middle Co. Fall..... | Pound. | 8 @ 10 | 8 @ 10 | 8 @ 10 | 8 @ 10 | 8 @ 10 | 8 @ 10 | 8 @ 10 |
| San Joaquin Fall..... | Pound. | 9 @ 11 | 9 @ 11 | 9 @ 11 | 9 @ 11 | 9 @ 11 | 9 @ 11 | 9 @ 11 |
| Southern and Coast Fall..... | Pound. | 8 @ 10 | 8 @ 10 | 8 @ 10 | 8 @ 10 | 8 @ 10 | 8 @ 10 | 8 @ 10 |
| Nevada Spring..... | Pound. | 38 @ 32 | 32 @ 30 | 30 @ 27 | 30 @ 27 | 30 @ 27 | 30 @ 27 | 27½ @ 20 |
| Nevada Fall..... | Pound. | 38 @ 32 | 32 @ 30 | 30 @ 27 | 30 @ 27 | 30 @ 27 | 30 @ 27 | 27½ @ 20 |
| Hops—(Monthly range)..... | Pound. | 38 @ 32 | 32 @ 30 | 30 @ 27 | 30 @ 27 | 30 @ 27 | 30 @ 27 | 27½ @ 20 |

CASH PRICES IN SAN FRANCISCO, CAL., ON THE FIRST OF EACH MONTH, FROM AUGUST 1, 1891, TO JANUARY 1, 1892.

| ARTICLE. | Unit of Measure. | August, 1891. | September, 1891. | October, 1891. | November, 1891. | December, 1891. | January, 1892. |
|---------------------------------|------------------|---------------|------------------|-----------------|-----------------|-----------------|----------------|
| WHEAT—Milling..... | Cental. | \$1 57 @ 1 60 | \$1 72½ @ 1 78½ | \$1 72½ @ 1 73½ | \$1 75 @ 1 76½ | \$1 85 @ 1 87½ | \$1 82½ @ 1 85 |
| No. 1 White..... | Cental. | 1 55 @ 1 56½ | 1 70 @ 1 71½ | 1 67½ @ 1 68½ | 1 72½ @ 1 73½ | 1 81½ @ 1 82½ | 1 80 @ 1 81½ |
| No. 1 Amber..... | Cental. | 1 55 | 1 70 | 1 67½ @ 1 68½ | 1 72½ @ 1 73½ | 1 80 @ 1 81½ | 1 80 |
| BARLEY—No. 1 Chevalier..... | Cental. | 1 65 | 1 87½ | 1 35 | 1 35 | 1 40 @ 1 45 | 1 40 @ 1 45 |
| No. 1 Brewing..... | Cental. | 1 15 | 1 12½ | 1 15 @ 1 17½ | 1 15 | 1 20 @ 1 22½ | 1 17½ @ 1 20 |
| No. 2 Brewing..... | Cental. | 1 13½ | 1 10 | 1 11½ @ 1 13½ | 1 10 | 1 15 @ 1 17½ | 1 12½ @ 1 15 |
| No. 1 Feed..... | Cental. | 1 12½ | 1 06 @ 1 07½ | 1 06 @ 1 07½ | 1 06½ @ 1 07½ | 1 12½ @ 1 15 | 1 08½ @ 1 12½ |
| OATS—Milling..... | Cental. | 1 60 | 1 37½ @ 1 40 | 1 37½ @ 1 40 | 1 50 | 1 45 | 1 40 @ 1 42½ |
| No. 1..... | Cental. | 1 47½ | 1 32½ @ 1 35 | 1 37½ @ 1 40 | 1 37½ | 1 40 @ 1 41½ | 1 35 @ 1 37½ |
| No. 2..... | Cental. | 1 40 @ 1 42½ | 1 30 | 1 32½ @ 1 35 | 1 30 | 1 35 @ 1 37½ | 1 30 @ 1 32½ |
| CORN—No. 1 Large Yellow..... | Cental. | 1 75 @ 1 80 | 1 55 @ 1 57½ | 1 35½ @ 1 38½ | 1 17½ @ 1 20 | 1 27½ @ 1 30 | 1 27½ @ 1 30 |
| No. 1 White..... | Cental. | 2 05 @ 2 10 | 1 86 @ 1 87½ | 1 37½ @ 1 40 | 1 17½ @ 1 20 | 1 40 @ 1 45 | 1 35 @ 1 37½ |
| No. 1 Small Round..... | Cental. | 1 77½ @ 1 80 | 1 67½ | 1 35 @ 1 37½ | 1 23½ @ 1 25 | 1 40 @ 1 45 | 1 32½ @ 1 35 |
| RYE—No. 1..... | Cental. | 1 35 | 1 65 @ 1 67½ | 1 60 @ 1 62½ | 1 65 @ 1 67½ | 1 90 | 1 67½ @ 1 70 |
| FLOUR—Family Extra..... | Barrel. | 5 15 @ 5 25 | 5 15 @ 5 25 | 5 15 @ 5 25 | 5 15 @ 5 25 | 5 40 @ 5 50 | 5 40 @ 5 50 |
| Bakers'..... | Barrel. | 5 10 @ 5 20 | 5 15 @ 5 25 | 5 15 @ 5 25 | 5 15 @ 5 25 | 5 65 @ 5 75 | 5 65 @ 5 75 |
| Superfine..... | Barrel. | 4 25 @ 4 30 | 4 05 @ 4 30 | 4 05 @ 4 25 | 4 05 @ 4 25 | 4 20 @ 4 30 | 3 50 @ 4 00 |
| POTATOES—Good Merchantable..... | Cental. | 30 @ 60 | 35 @ 60 | 35 @ 60 | 30 @ 60 | 30 @ 60 | 30 @ 65 |
| HAY—No. 1 Wheat..... | Ton. | 12 00 @ 13 00 | 12 00 @ 13 00 | 12 50 @ 13 50 | 14 50 @ 15 00 | 14 00 @ 15 00 | 14 50 @ 15 50 |
| No. 1 Barley..... | Ton. | 10 50 @ 11 50 | 10 50 @ 11 50 | 10 50 @ 11 50 | 11 50 @ 12 50 | 12 00 @ 12 50 | 13 00 @ 13 50 |
| No. 1 Oat..... | Ton. | 11 00 @ 12 00 | 11 00 @ 12 00 | 11 00 @ 12 00 | 12 50 @ 13 50 | 12 50 @ 13 50 | 13 50 @ 14 50 |
| BUTTER—Fancy..... | Pound. | 28 @ 30 | 27 @ 29 | 31 @ 34 | 35 @ 36 | 34 @ 35 | 35 @ 37½ |
| Good to Choice..... | Pound. | 22½ @ 26 | 22½ @ 26 | 25 @ 30 | 24½ @ 32½ | 32 @ 33 | 32 @ 33½ |
| Common to Fair..... | Pound. | 18 @ 20 | 18 @ 20 | 20 @ 22½ | 25 @ 27½ | 25 @ 36 | 30 @ 31 |
| CHEESE—New..... | Pound. | 8 @ 11 | 9 @ 11 | 11 @ 12 | 11 @ 12 | 14 @ 16 | 12 @ 15 |
| Eggs—Choice..... | Dozen. | 27½ @ 30 | 29 @ 30 | 32½ @ 35 | 42½ @ 47½ | 37½ @ 40 | 40 @ 42½ |
| Store..... | Dozen. | 20 @ 25 | 18 @ 24 | 19 @ 26 | 25 @ 35 | 30 @ 35 | 30 @ 35 |
| WOOL—Northern Spring..... | Pound. | 20 @ 22 | | | | | |
| Middle Co. Spring..... | Pound. | None. | | | | | |
| San Joaquin Spring..... | Pound. | 12 @ 15 | 11 @ 13 | | | | |
| Southern and Coast Spring..... | Pound. | 12 @ 14 | 11 @ 13 | | | | |
| Oregon Eastern..... | Pound. | 14 @ 20 | 13 @ 18 | 13 @ 18 | 13 @ 18 | 13 @ 18 | |
| Oregon Valley..... | Pound. | None. | | 19 @ 21 | 19 @ 21 | 19 @ 21 | |
| Oregon Fall and Lamb..... | Pound. | 9 @ 11 | | | | | |
| Northern Fall..... | Pound. | | 11 @ 13 | 11 @ 13 | 12 @ 15 | 12 @ 15 | |
| Middle Co. Fall..... | Pound. | | 10 @ 12 | 10 @ 12 | 10 @ 12 | 10 @ 12 | |
| San Joaquin Fall..... | Pound. | | 8 @ 10 | 8 @ 10 | 8 @ 10 | 8 @ 10 | |
| Southern and Coast Fall..... | Pound. | | 8 @ 10 | 8 @ 10 | 8 @ 10 | | |
| Nevada Spring..... | Pound. | | | | | | |
| Nevada Fall..... | Pound. | 13 @ 17 | 14 @ 15 | | 12 @ 14 | 15 @ 19 | 19 @ 21 |
| Hops—(Monthly range)..... | Pound. | 12½ @ 10 | 10 @ 12½ | 12½ | 12½ @ 15 | | |

THE HOP INDUSTRY IN CALIFORNIA.

By DANIEL FLINT, of Sacramento, the Pioneer Hop Grower of the Pacific Coast.

The early history of hop culture in California furnishes a good many surprises. This not having been an agricultural State, there was no data on which to proceed, and consequently the building-up process had to proceed by the slow method of experience and observation.

Good, practical farmers coming to this State to follow their former occupation found they were not much further advanced in soil culture than amateurs. When they were told that we had no summer rains, and frequently no rain on a crop from seed time to harvest, they declared everything would wither, in the absence of frequent showers.

The mind of an Eastern hop grower, where it takes three years from the planting to get a full crop, and then only from five to eight hundred pounds to the acre, is hardly prepared to comprehend that we grow two thousand pounds to the acre the first year the roots are planted.

I claim to be the first man on this coast that discovered that hops would bear the first year they were planted.

After planting my hop roots in the winter of 1857-58 in Sacramento, I was told by one of my neighbors not to pole them, as they would surely go to vines, without hops, everything being of such a rank growth in this rich soil.

The earliest importation of hop roots, to the best of my knowledge, was in 1855-56 by Wilson Flint, from Vermont, and propagated in Alameda until moved to Sacramento in the winter of 1857-58.

I claim to have built the first hop kiln and first hop press on this coast, and to engage in it as a commercial business.

The horse-power press that is used mostly on this coast is my invention, and is capable of putting out from forty to sixty bales per day of two hundred pounds each.

Good hop land can be bought from \$100 to \$400 per acre, depending upon quality and location. Suitable hop land can be leased for a term of years for from \$20 to \$30 per acre.

There is no county in the State or on the coast that has such facilities for the transportation of hops, wood, coal, poles, or help for picking as Sacramento.

At the present time the future conundrum seems to be, where shall we procure our help to pick our vast hop yards? If there is any place where they can be secured it is at Sacramento. This seems to be the stopping place or half-way house for transient help from the mines, fields, and roads.

This, like all new industries, has its years of prosperity as well as adversity. The great variance is not based on the uncertainty of yield, but the price, or knowing when to dispose of the crop. There is no place known to the hop grower where there is such a certainty of a yield as in California.

Our harvest time is free from rain, wind, or frost, which cause such great loss in other locations. The pickers can camp in the open field, needing no shelter, without serious inconvenience.

Thus far there is no disease that affects our hops similar to other locations, such as mold, lice, mildew, red spider, or scale. Therefore, our hops sample clean, bright, and inviting, a factor very much appreciated in England, which is becoming a great purchaser of California hops. Most hops are grown on river or creek bottom land, where there is sufficient moisture to mature the crop without irrigation.

We have three ways of training hops: One by poles sixteen to eighteen feet, two to the hill; one with redwood stakes eight feet long, one to the hill, with strings or wires drawn horizontally across the field at right angles to each other, fastened to top of stake by staple; the other the trellis system. The trellis system is coming more into use than any other, especially where large crops are grown, say from two thousand to three thousand pounds per acre. It consists of posts similar to telegraph poles, about twenty feet long, the outside ones set firmly in ground and well braced. A strong wire is stretched across the top of poles each way, and to these wires are tied two strong strings, pegged down to each hill of hops. This system of training costs from \$1 to \$1 25 per acre, besides the annual cost of twine, which is about \$5 per acre. Roots cost about \$5 per one thousand, and it takes from two thousand to three thousand to plant an acre. Only one variety, the large American, is cultivated to any extent on this coast. Planting takes place in January or February. Tying vines to poles begins from May 1st to 10th. Picking begins about August 20th, and continues from four to six weeks. The price is from 80 cents to \$1 per hundred, of green hops.

Pickers can make from \$1 to \$2 50 per day, according to expertness and condition of hops. The pickers range in nationality in the order named: Chinese, Indians, whites, and Japs. As the Exclusion Act crowds out the Chinese, the Japs seem to come in and take their places. The Japs are far better pickers, but not near so rapid. The Indians are the cleanest of all pickers, but tediously slow; no ambition to make more than 50 to 75 cents per day. White men, women, and children make desirable pickers, and every year sees more of them in our hop yards.

It is not really necessary to fertilize our soil to grow hops, but I think it better to do so in order to retain the fertility that nature gave it, when it can be done without too much expense.

There is hop land enough on this coast to supply the world. Our growers are using the most modern appliances in culture, harvesting, and curing, such as draft kiln, heaters, and pipe, and horse-power press.

From a late article in the "Pacific Rural Press," by a writer who was for four years Master of the California State Grange, Patrons of Husbandry, we clip the following:

"I have had in view for a long time one of these successful farmers, unpretentious in his ways, but not lacking in public spirit. I want to tell you, and hundreds of others, in a plain way, just what this farmer is doing on only eight and one half acres of land. On account of native modesty, he does not care to have his name paraded before the public. I will say he is forty-three years of age, has been married eighteen years, has three girls and five boys, and intends to give them a good business and useful education. He has a one-story, hard-finished house (cost

\$1,200), with seven rooms, and painted. His barn is a combination of barn and hop kiln (cost \$1,500), under which he keeps his two horses, two cows, wagons, and tools. In the loft, or second floor, he has hay, grain, and potatoes enough to last until the next crop comes in. Keeps two or three pigs, chickens for family use, and makes the family butter. Has one ranch wagon, one spring or family, and one buggy. He cultivates five acres of hops, and the other three and one half acres are occupied with buildings and fruit trees. He employs only one man, five months in the year, at \$1 per day and board, except hop picking. The rest of the work is done by himself and family, all being workers.

"This little place was purchased in 1869 for \$1,150, and I wondered at the time how he expected to make a living from it, there being only a small cabin on it. In 1890 he sold a little over \$3,500 worth of hops; in 1891, \$1,500. This year, from ninety cherry trees, he sold \$450 worth; one hundred bartlett pears, \$450 worth; fifty peaches and ten apricots, \$100 worth. His county and State taxes were \$38; levee tax, \$90. He has a little money loaned out and no debts.

"This is not written with the view of attempting to show anything marvelous, or to show that it is the greatest income ever got out of eight and one half acres of land. I have had land that produced me nearly \$2,000 per acre, but it would not be good sense to quote such results against a yearly income. In this case I wanted to show what pluck and perseverance, combined with good intelligence, can do toward producing thrift."

SECOND ANNUAL REPORT

OF THE

DEPARTMENT OF RAMIE CULTURE FOR CALIFORNIA.

By W. H. MURRAY, State Superintendent.

FEBRUARY 1, 1892.

To the honorable Board of Directors of the State Board of Agriculture:

GENTLEMEN: I take pleasure in presenting you this, my second report of the Department of Ramie Culture. I am sanguine that ramie culture will be a great success in this State. Only a short time will pass before we will fully demonstrate the practicability of decorticating and treating the fiber, as one grower will plant seventy-five acres this month.

My report for 1891 has been carefully compiled, to be published by the State, giving the best information obtained by correspondence and otherwise, as per the intent of the ramie bill.

The outlook for California becoming a great fiber-producing State is encouraging, and at this time it behooves us all to look favorably into any good paying farm product that will be a benefit, not only to the farmer, but to the manufacturer, and the building up of our home industries.

EXHIBIT OF THE FIBERS AT WORLD'S FAIR.

It has been suggested to me by a gentleman connected with the World's Fair Commission, that the Ramie Culture Department of the State Board of Agriculture make a display of all the fibers and their manufactured products at the World's Fair in 1893. If agreeable to your wishes, I will try and see if arrangements can be made to collect a creditable display of all the fibers—silk, ramie, cotton, hemp, jute, flax, etc.—the exhibit collected to be placed on exhibition at the State Fair of 1892. I would suggest, however, that the Board of Directors give a cash premium that will help defray the expenses of collecting and making a worthy exhibition, and for this purpose an adequate sum be allowed and set aside as a premium.

EXPERIMENTAL GARDEN FOR THE CULTURE OF FIBROUS PLANTS.

Many of you are aware that for several years past your Superintendent of Ramie Culture had made special exhibits, at your State Fairs, of fibrous plants, together with the commercial products produced therefrom. These exhibits have attracted much attention, and the State Legislature has passed a bill to encourage the cultivation of ramie, one of the most important of all the fibers.

I would now respectfully suggest that the California State Board of Agriculture allow to be established an experimental garden adjoining the exhibition building, in which should be planted all commercial fibrous plants. Visitors to the fair could then see the plants, and

become acquainted with the product, and also interested in their cultivation and the best methods for preparing these fibers for market.

You are well aware of the advantages of diversified farming, and such an exhibit as the one referred to would be an object lesson which would at least be very interesting to farmers. Seeds and plants could be given away for experimental purposes.

A few of the plants suggested would be: Cotton, flax, ramie, hemp, jute, and any others that would be of interest to the grower, such as tobacco, castor oil bean, sugar beet, broomcorn, and hops. In this way it is to be hoped much good may result.

HISTORY OF THE RAMIE BILL.

In accordance with the Act of Legislature, approved March 31, 1891, by his Excellency H. H. Markham, Governor of California, the Board of Directors of the State Board of Agriculture appointed William Henry Murray, of San Francisco, the State Superintendent, to represent the Department of Ramie Culture.

It may not be amiss to give a short history of the Senate bill referred to. The bill was passed in the Senate March 19, 1891, by the following vote: Ayes, 27; noes, none. Passed the Assembly March 23, 1891, by the following vote: Ayes, 45; noes, 13. The bill was taken up as a "case of urgency" for the farmer.

The ramie bill was for one sole purpose, and that was the encouragement of the ramie industry in California. To this end it voted \$10,000 to be paid as a bounty to farmers, and gave a salary of \$100 a month to a Superintendent, whose duties were to travel and report on the state of the business, and see that the moneys voted were properly applied. Out of this the State Superintendent was to pay his own hotel bills, railroad fare, postage, etc., and after doing this there could be but little left. The position is no sinecure and the salary merely nominal; the fact is that it amounts to no salary at all. To do the work properly requires constant traveling, lecturing, instructing farmers how to plant and to take care of it after being planted, etc.—no easy task. The whole business is placed under the management of an able body—the State Board of Agriculture. That both items should have been placed in one bill was unavoidable, as both were germane to the one object—the promotion of the ramie industry. It cannot be seen how the matter could have been done otherwise than in the way it was. The question of the constitutionality of the bill has been before the Supreme Court on appeal for months past.

After the appointment of the State Superintendent, a small circular on "Ramie Culture" was printed by the State Printer, and five thousand copies distributed to farmers and others interested in its cultivation. The circular was prepared by W. H. Murray, who gave his private correspondence to the State. It shows beyond a doubt that the well-known ramie plant can be decorticated by the dry process in California; that the fiber has a commercial value, and is a merchantable article.

During the first few months after making known the intention of the bill there was distributed information, which in return brought several thousand letters and inquiries that are on file in this department.

Sample ramie roots were ordered of the very best variety for experimental purposes, some thirty-two thousand five hundred in all. The

same were to be sent in lots of twenty-five, fifty, and one hundred, the S. P. R. R. Co. agreeing to deliver them free to the farmer.

The object of this distribution was to ascertain the best soil and climatic conditions, and to secure the cultivation of this plant.

The department received over eight hundred letters during six weeks, showing the popularity of the bill with the Grangers' Alliance, the press, and others. Thirty days after it had become a law the Superintendent called on the State Controller, Hon. E. P. Colgan, for his warrant for monthly salary. The Controller remarked that he could not draw the warrant, his understanding being that the bill was unconstitutional, as it contained "two items of appropriation in the same bill," and a legal ruling was demanded, which has caused much delay and inconvenience.

It is scarcely necessary to enlarge on the importance of ramie culture. It is equal in importance to beet culture, is calculated to make prosperous farmers, to add to the wealth of the State, and form a most important article of commerce for our merchants.

STATISTICS AND OTHER INFORMATION SHOWING CONDITION AND PROGRESS OF RAMIE CULTURE.

Section 4 of the ramie bill reads as follows: "The State Superintendent shall collect statistics and other information showing the condition and progress of ramie culture."

It will be remembered that at the exhibitions held under your auspices in September, 1890 and 1891, a machine was exhibited by the present State Superintendent of Ramie Culture, which machine greatly interested farmers and others. Samples of ramie fiber produced by that dry-process decorticating machine were sent to various markets of the world to ascertain the commercial value thereof. Most favorable reports were received with regard to both the quality and the value. This was the initiatory step of introducing into California the decortication of ramie fiber by the dry process.

The decortication of stalks by the dry process has been tried in the Southern States, but on account of the humidity of the climate was not entirely satisfactory.

Here, in the hot, dry climate of California, the decortication of the dry stalks has been practically demonstrated to be an unquestionable success.

In localities like Kern County, the moisture in the stalks is evaporated, and the coarse, woody parts become so thoroughly dry that the gum contained in them is very brittle (rosin like) and easily separated from the fiber.

The machine used in these experiments was known as "The Lichtenberg (Dry Process) Decorticating Machine," and consists substantially of a series of pairs of fluted rollers having a reciprocating motion worked from a driving shaft; it breaks the wood of the stalks into fragments, separates them, with the gum, from the fiber. A large percentage of the gum being converted into dust, falls with the woody particles, the fiber passing out of the machine in a merchantable condition ready for immediate baling. The practical mill man can then handle it in his own way, bleaching, carding, and treating it with a weak solution, chemically, to remove whatever gum may remain.

Mr. Chas. Toppan, of Boston, says: "Another advantage is that the

fiber can be readily and successfully worked on the present cotton machinery, so that there is no occasion for a long period of experiment in bringing it into general use."

It is said that the ramie ribbons can stand a high degree of heat in drying without injury to the fiber. Tests have been made up to 212 degrees Fahrenheit without showing the slightest perceptible deterioration. While heated the outside bark or epidermis becomes very brittle, and can nearly all be beaten off by mechanical means if taken before it cools and reabsorbs moisture. This process will also remove a considerable portion of the gum.

Dr. Ozanam states:

| | Ramie. | Hemp. | Flax. | Silk. | Cotton. |
|----------------------------------|--------|-------|-------|-------|---------|
| Resistance to traction. | 100 | 36 | 25 | 18 | 12 |
| Elasticity before breaking. | 100 | 75 | 66 | 400 | 100 |

Dr. Forbes Boyle reports as follows to British Admiralty:

"A ramie rope four and one half inches in diameter, composed of one hundred and thirty-two threads, *sustained* over twenty thousand pounds.

"A rope of Russian hemp, made in a similar manner, *broke* under ten thousand pounds.

"Twine of ramie supported two hundred and fifty-two pounds.

"Twine of best hemp, same size, broke with twenty-five pounds."

The Bank of France found paper manufactured from ramie fiber to be so much superior to linen that they have adopted it, and all 1,000-franc notes issued since July 1, 1891, have been printed on ramie paper, its surface being equal in every respect to the best linen, and its durability and strength far superior.

Wrapping paper made from ramie fiber has almost the strength of cloth.

Jules Juvenet made the following statement at a meeting of the Franklin Institute, held in Philadelphia, October 16, 1889, the same having been sent to this department by a correspondent:

"I have often weighed ramie stalks grown by myself in Louisiana. One hundred and fifty stalks, fully grown, about six feet high, representing a minimum crop of ten plants, gave me the following figures: Weight of green stalks *with* leaves, 49 pounds; weight of green stalks *without* leaves, 29 pounds; crude fiber, *wet*, 6 pounds; crude fiber, *dry*, 1 pound; bleached fiber, 7 ounces.

"There is no fear of the cotton worm or other insects injuring the plant, as it contains more or less tannin; neither any bad crops of ramie. Ramie is more hygienic than flax, hemp, or cotton, and its use is recommended in several hospitals for dressing wounds. It washes much better than any other textile, and becomes whiter than hemp or flax. The carpet industry is valued at \$50,000,000 yearly in the United States, and ramie could enter into the manufacture, and the price could be reduced one half to the buyer.

"The Chinese alone have for thousands of years cultivated this plant. The Egyptians shrouded their dead in magnificent winding sheets of ramie, which are to-day found on mummies.

"The reason why the industrial world has been backward in practically introducing this plant is that no machinery had been invented to do the handwork of the Chinese."

THE RAMIE PLANT COMMERCIALY CONSIDERED.

The ramie plant, known to botanists by the name of *Boehmeria nivea*, is a gigantic, stingless nettle, indigenous to Java and China, and is considered the best variety, the leaves underneath being pure white; so far this is the only variety we have obtained, and it is by its white leaf that it is distinguished from other varieties.

The shrinkage in working ramie is, from the degumming to the yarn, not over 12 per cent; the tow or noils equaling 10 per cent. Much care should be used in mixing until more is known about the fiber, as it is non-shrinking, and composed of a multitude of fine, delicate filaments, which unite to form a body. Ramie canvas for roof-covering promises to be the coming article, its non-rotting properties giving it great value for this use, and it is said a fire-proof material can be made. A single dip of ramie is equal to two of cotton or wool as regards the resulting brilliancy of color and lasting qualities of the same.

Moths cannot live in ramie carpet in warm climates, it being a vegetable fiber.

Ramie will not rot in water, and on this account it is in great demand in our navy for sails, cordage, etc., and for fishing tackle, and wherever the quality of resistance to atmosphere and water is needed.

Mr. Walter T. Forbes has made a very fine soap, possessing medicinal qualities, from the residuum liquor in which ramie was treated.

Quotation of ramie fiber, 1890:

| | |
|--|---------------|
| London (California decorticated dry)..... | \$80 per ton. |
| Hamburg (California decorticated dry)..... | 150 per ton. |
| Boston, Messrs. Toppan & Howland (California decorticated dry) | 180 per ton. |
| From United States Government report..... | 160 per ton. |
| From United States Agricultural Department..... | 180 per ton. |

I have known sales of China grass to be made in San Francisco during the year 1891 at 9 cents a pound, sent to New Orleans for experiment. Reliable quotations are from 6 to 10 cents a pound, but when properly prepared for the spinner—degummed, hackled, and cleaned—it is said to be worth from 25 to 50 cents per pound for silk manufacturers' use.

RAMIE LEAVES FOR SILKWORMS.

The following from the Columbia, South Carolina, "Register," shows the value of ramie leaves as food for silkworms:

A recent article in the "American Druggist" states that, for a number of seasons, a lady of this city has amused herself by feeding silkworms, and sending a few pounds of cocoons to the Women's Society for the Encouragement of the Silk Industry, at 1228 Arch Street, in Philadelphia; that she had recently experimented by feeding them on the foliage of the ramie plant, and that the cocoons spun by those fed on the ramie exceeded in size and fineness of quality those spun by the worms fed on the mulberry leaves. The "Register" has received a letter from the office of the Women's Silk Culture Association, of Philadelphia, Pa., asking for further information about this matter, as they knew nothing of it except through the article in question, and, upon making inquiry, learns that several parties in this city have fed silkworms on other food besides mulberry leaves. Mrs. Dr. E. E. Jackson has fed them on osage orange, and has found that they thrive as well on it as on the mulberry leaf. Mrs. Mayrant, widow of the late James G. Mayrant, has fed them on the ramie foliage, and they have done splendidly; and it is therefore true, as the "Scientific American" says, in commenting upon the fact, that if the ramie leaves can be depended upon for silkworm food, it will give a great impetus to the silkworm industry, and add to the profits of those who raise ramie.

RAMIE CULTURE IN 1871, 1872, AND 1873 IN CALIFORNIA.

In an interview on January 23, 1891, Mr. J. S. Finch, of Haywards, Cal., remarked: "In the years 1871, 1872, and 1873 ramie plants were introduced in Alameda County; several acres were planted, and, in experimenting, several thousand dollars were invested in ramie culture and chemical processes, which were not satisfactory. The La France machine and the Coleman process were introduced, but the fiber being a vegetable growth would not stand the harsh treatment given chemically, as would the animal fibers, wool, silk, and goat's hair.

"The plants grew very well, and in some places, where they were not cut in the season, the stalks grew eighteen feet in height, but the fiber would be so coarse that it would not pay to work tall stalks.

"One hundred and twenty-six thousand roots were planted on Twitchell Island, in the San Joaquin River. About the time the levee broke the stalks were five feet high. That finished the experiments being made by our company.

"I believe in the value of ramie fiber, but it is the process that will make it merchantable.

"Samples were sent to Germany by me, and reports came that a good strong fiber, properly bleached, would be worth from 30 to 62½ cents per pound to mix for silk goods."

EXPERIMENTS IN THE DECORTICATING OF RAMIE BY THE DRY PROCESS.

Practical Results Made in the Field at Bakersfield, Kern County, Cal.

An experiment was made under the charge of William H. Murray, State Superintendent of Ramie Culture for California, assisted by John Rutherford, Superintendent of the California Cotton Mills, and L. C. McAfee, Land Agent of Kern County Land Company.

The decorticating ramie machine used, known as "The Lichtenberg Ramie Cleaning Machine," was loaned by the California Ramie Company of San Francisco. This was thought to be the best way to test the practical results—which may be looked for by any intelligent farmer before planting ramie.

The ramie was grown by Messrs. W. W. and J. S. Drury, of Bakersfield, in a lot adjoining their residence. It was planted seven years ago by them. The lot is one hundred feet square. Part of the present season's growth, being the first crop, was thrifty, reaching seven and eight feet in height, and other parts of it spindling and not over three feet high. Half the space had not been planted.

The stalks were cut July 24 and 25, 1891, with a hand sickle, and lay till July 31st, when they were gathered by hand and bound into bundles.

The decorticating machine was set up at the Kern River Mills in Bakersfield, and the dry stalks hauled to it on August 15th.

The power used was obtained from the shaft of the Kern River Mills, which is run by water. The pulley of the machine is twenty-eight inches in diameter, the belt sixteen inches wide, and the revolutions one hundred and eight per minute, developing five horse-power.

The temperature in the shade at the mill was, at 2 o'clock, August 17th, 101 degrees; August 18th, 100 degrees. The Southern Pacific Company's official record of temperature for the two days was as follows:

| | 7 A. M. | 2 P. M. | 9 P. M. |
|-------------------|---------|---------|---------|
| August 17th | 82° | 102° | 82° |
| August 18th | 79° | 98° | 78° |

Three separate runs were made. The following table shows the result of the experiment:

| | Dry Stalks— Pounds. | Dry Fiber— Pounds. | Time— Minutes. |
|------------------|------------------------|-----------------------|-------------------|
| First run | 102 | 28 | 40 |
| Second run | 100 | 23½ | 31½ |
| Third run | 68 | 22 | 20 |
| Totals | 270 | 71½ | 91½ |

The time includes five minutes on the first run, eight and a half minutes on the second, and one minute on the third, lost in freeing the fiber from the rollers, around which the fiber was liable at any moment to wrap itself in the present arrangement of the rollers. This lost time was not deducted, as like losses and delays are common in the working of any machinery.

The stalks measured from two and one half feet to seven feet in length, and from one eighth to one half inch in diameter. They were very dry. The degree to which they may be dried can be regulated so as to get the best results in decorticating. The third run was largely of the smallest stalks. The yield of fiber from this run is apparently about 30 per cent larger than from the others, but the fiber is not so good.

Six pounds of the first lot were put through the machine a second time in about two minutes, and the fiber then weighed five pounds—a loss of 16½ per cent. All of the third lot of fiber, weighing thirty-two pounds, was also put through the machine a second time, taking five minutes, and then weighed eighteen and one half pounds—a loss of 16 per cent.

The second cleaning is no doubt worth its cost, but improvements in the machine will certainly be made to clean the fiber more thoroughly, passing once through it.

At the rate of work done by the machine at this experiment it would decorticate, in a day of ten hours, one thousand seven hundred and seventy-one pounds of dry stalks, and produce four hundred and sixty-nine pounds of fiber, the fiber being 26½ per cent of the dry stalk.

At the rate of wages and fuel existing in Kern County, and allowing large margin, the cost per day of running the machine would be about as follows:

| | |
|-------------------------------|--------|
| Labor, one man | \$2 00 |
| Labor, one boy | 1 00 |
| Power | 2 00 |
| Wear and tear, oil, etc. | 1 00 |
| Total | \$6 00 |

Or 1.28 cents per pound of decorticated fiber.

We believe, however, that the capacity of the machine when in smooth working order, and the workman trained, would be doubled, and that

1 cent per pound of decorticated fiber would be a liberal figure for cost of decortivating on a large scale.

The lot of dry stalks experimented upon weighed two hundred and seventy pounds, being the product of a quarter of an acre only half planted. The full product of an acre from one cutting at the same rate of yield would be two thousand one hundred and sixty pounds of dry stalks. Two crops of long stalks, or three crops of shorter stalks, would give a gross yield of six thousand four hundred and eighty pounds of dry stalks. This machine, at the actual rate of its working in this experiment, viz.: one thousand seven hundred and seventy-one pounds per day, would decorticate the gross product of an acre in three and sixty-six hundredths days, or working three hundred days in the year, as could be done in Kern County, it would take care of, in round numbers, eighty acres of land planted to ramie. With the capacity of the machine doubled, as above stated, the area that could be cared for would be doubled.

The favorable results shown by this experiment are largely due to the dry climate of Kern County, which evaporates the water thoroughly from the stalk and renders the gum of the fiber brittle and readily removed.

Mr. Rutherford estimates the value of the fiber as it leaves the machine, decorticated once, at 5 cents per pound.

The Messrs. Drury state: "We have been growing ramie in Kern County for twenty years. It may be planted at any time if well cared for and watered. The best time is from October and on through the rainy season. Roots from two to six inches long should be planted from four to six feet apart. Let the plants grow till the following rainy season, and then lay down the plants without breaking them, and cover them well with soil. The whole area will be filled, and the first crop may be expected the following May or June, and succeeding ones at intervals of about two months. Two large crops, or three smaller ones, may be expected per annum. Three days is ample time to dry the stalks ready for the machine. Ramie stalks have grown seventeen feet high in Kern County."

The fiber was placed in suitable packages for shipping to San Francisco after decortication. I suggested that the same be sent to the California Cotton Mills to be manufactured into articles for exhibition at the State Fair next season (1892), when a complete display of fiber culture will be made.

The following letter was sent to this department by the Superintendent of the mills, and explains all that could be said on the subject. These are the first ramie goods of a commercial value that have ever been produced on the Pacific Coast by any process, dry or green:

OFFICE OF THE CALIFORNIA COTTON MILLS CO.,
EAST OAKLAND, September 5, 1891. }

W. H. MURRAY, Esq., *State Superintendent of Ramie Culture for California:*

DEAR SIR: We have worked the small quantity of ramie furnished us from Bakersfield.

You will, we need hardly say, understand that our machinery here was never intended for the manufacturing of this fiber, nevertheless it passed through the several processes of carding, spinning, and weaving very satisfactorily, and was closely followed by many who are interested in the growth of the plant in this State. The few samples speak for themselves.

The cloth, you will note, is a little irregular; this was unavoidable under the circumstances, and could scarcely be otherwise, all things considered.

First—It was done in a hurry.

Second—It was put over machinery not at all adapted for it.

Third—The fiber was somewhat weak, having been exposed to the sun long after it came to maturity. We noticed this most as it passed the drawing frames, for in place of going to the bottom of the pins or hackles to be evened and strengthened, it "ran" and broke over them, as we express it in mill phraseology.

With good, sound, healthy fiber, however, and the proper machinery, we feel sure a most even and beautiful yarn could be spun and excellent results obtained.

While we are fully aware that the stalks from which this ramie grew were cultivated merely for an experiment, and not with the attentive care that would be given them were their cultivation a business, still we believe that the results of this experiment warrant us in saying that with the methods and appliances obtainable, coupled with economical and experienced management, ramie can be raised in Kern County, and other parts of the State, that can be profitably used in the manufacture of bags, twines, towels, and other common fabrics, by us on our machinery. It both bleaches and takes on dye beautifully, as you will see from samples.

Quantities of this fiber could be exported to Europe, where it is used in making the finer grades of goods.

These (the coarser) fabrics, with finer washing made especially for this important fiber, that ranks with silk and the finer goods, we doubt not but a grand success can be looked for if this plant is taken hold of by the farmers in earnest, and its growth established here in California.

These common fabrics were made only as a special lot for samples for the State Fair, and to show that ramie decorticated by the dry process could be made into a commercial article.

We understand this to be the first fiber produced and run through the spinning frames in the United States, from fiber produced and decorticated by the dry process, and we feel proud to be able to help (coöperate) demonstrate the practical working of the ramie plant in California.

Yours sincerely,

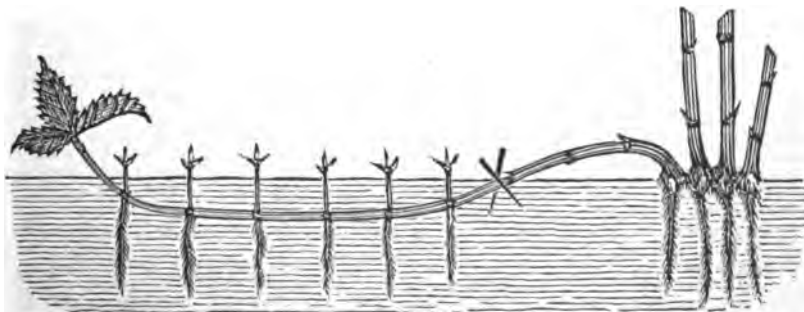
JOHN RUTHERFORD.

THE FIELD CULTURE OF RAMIE.

By E. KELLNER, Foreman of Agricultural Experiment Station, University of California.

Ramie is a plant of easy cultivation. It has been grown as far north as Pennsylvania and New Jersey, though for the production of fiber its culture succeeds best in the Southern States, and particularly in those bordering on the Gulf of Mexico. It also thrives well on the Pacific Coast, having been grown with success, experimentally, in California for several years.

The plant is propagated by seeds, by cuttings, or by layers, and by division of roots. In fact it propagates itself by stolons, spreading like the multiplying onion. When produced from seed, the greatest care must be taken with the planting, as the seed is very small. For this reason open air planting can hardly be relied upon, plants started in a hotbed giving the best results. After planting, the seeds are covered thinly with sifted earth and kept shaded from the sun until the young plants are two or three inches high, when sunlight is gradually admitted to them. In five or six weeks they will be strong enough to transplant to the field.



Manner of layering plants.

In the East Indian method of propagating by cuttings of the stems, the spring-grown stems are used, and when fully ripe. Only the well-ripened portion, where the epidermis has turned brown, is employed, the stem being divided into lengths that will include three buds, care being taken to cut a quarter of an inch above and the same distance below the top and bottom buds. These are planted with the central bud on a level with the soil. The cuttings are shaded for ten days or more, unless the weather be cloudy or rainy. In India the cuttings are planted one foot apart, although given more room as the plants mature.

By far the most practical method, and the one that will give the best results in this country, is the propagation by division of roots of old or fully matured plants. The old plants are better than young ones for the purpose, as the root-mass is larger, the tuberous portions showing a greater number of eyes, and therefore giving stronger plants after division. The practice varies as to distance apart that these are planted. In India four feet apart, each way, is considered the proper distance, though in France some favor two feet apart each way as giving better results.

For California I would plant four by four feet apart or three by three feet. Plow your land as deep as you can two or three times before planting; harrow well and level it. Mark your land with a marker crosswise; open your furrows with a one-horse plow; place your plants on the crossing, and cover the sides with a plow. Cultivate with a small triangular harrow, or a cultivator, and keep the weeds down. Keep your land as level as possible in cultivating, as you will want a mowing machine on there to cut the ramie stalks. In two or three years your ramie will be a solid mat. It can be raked by a horserake and tied in bundles, and hauled to the decorticating machine. Ramie will not grow on any land; but on good, deep soil, with sufficient moisture, it will grow and be a profitable crop. There is not the tedious labor of picking that is the case with cotton, and in the world's market it will bring double the price of cotton. It is not subject to any disease as far as we know.

STATEMENT FROM CAPT. H. E. BOYES, GROWER OF RAMIE IN SONOMA COUNTY.

SONOMA, CAL., December 31, 1891.

W. H. MURRAY, *State Superintendent of Ramie Culture for California*:

DEAR SIR: At your request I cheerfully make a brief report on ramie culture at the Agua Rica Ranch, Sonoma County, that may be of some interest to the farmers and others in our State. I planted eleven thousand ramie roots between April 15th and the first day of May, 1891. Some were planted four by four feet, others two by two and one by one foot apart. The soil was a deep, black loam, which holds its moisture. I estimate that roots planted four by four feet apart will take two years to fill up the soil, and that there will be no marketable stalks till the third year, as the first and second years the stalks will be full of branches (which do not make good fiber), having so much free room. From those two by two or even one by one foot apart I believe a good crop of fiber can be cut. The second year the stalks will be too close, and therefore unable to make branches. Any one planting for fiber would do well to plant two by two feet apart.

The land should retain its moisture, then the roots will thrive well. Weeding and hoeing the first and second years are required. I should advise roots to be planted in January and February, and each one to have a small stake to prevent the roots from being trampled on or cut by the hoe; but rooted plants (from cuttings) about March 15th to May 1st. A good deal of care should be given to get the plants well started; after that there will be no more trouble with them.

Frost cuts the leaves and stalks but does not hurt the roots, unless it goes deep in the soil. We did not flood our land.

The roots will thrive well and better after the second year's growth. I estimate that fully seven thousand roots or plants came up out of the eleven thousand roots; the season was too far advanced when they were received. I should think some fifty to two

hundred small roots could be had from each large root planted last spring by us, if they were subdivided. Our roots grew very slowly, but started up after four to six months.

I made a large number of rooted plants, our estimate being forty-seven thousand cuttings planted two inches apart in hotheds protected from frost. Had I started my cuttings two months earlier than I did, or in the spring or early summer, I do not think I would have lost 10 per cent. The sap had run down and a light frost caught the soft wood. I expect to get about 40 per cent, and shall do well even then. They are to be planted out in the spring.

Ramie culture will be, I feel confident, a most valuable industry. I have had, personally, orders for ramie fiber from England already, where they are prepared to take hundreds of tons of the product; thus a market is fully assured.

At your request I give a quotation of prices of ramie roots: For orders of less than five hundred roots, 3 cents per root; from five hundred to one thousand, 2½ cents per root; from one thousand upwards, 2 cents per root. Rooted plants (from cuttings) from a thousand upwards, say \$30 in boxes for shipping F. O. B.

Respectfully,

H. E. BOYES.

RAMIE CULTURE AT BERKELEY, CALIFORNIA.

By special request, Prof. E. W. Hilgard, Director of the Agricultural Experiment Station at Berkeley, has made the following analysis of the ramie plant for the Department of Ramie Culture:

BERKELEY, January, 1892.

W. H. MURRAY, *State Superintendent of Ramie Culture for California*:

DEAR SIR: Inclosed find, in tabular form, the data you desire. You will see by comparison with the statements made in the bulletin and results here that your double treatment at Bakersfield diminished the gum in the fiber from a total of nearly 42 to about 32 per cent. This comes very near the lowest figure that we were able to get by hand when treating the fiber dried at 212 degrees, and is a very fair showing.

Yours,

E. W. HILGARD.

Determination of Gum in two Samples of Machine-made Ramie Fiber.

The percentage of gum in *unmanipulated fiber* is 41.50.

| | PERCENTAGE OF GUM. | | Moisture— Per cent. |
|------------------|----------------------|-------------------------------|------------------------|
| | Fiber— Air Dried. | Fiber—Dried at 105 Deg. C. | |
| First run | 34.7 | 38.5 | 10.0 |
| Second run | 31.8 | 35.7 | 10.9 |

One hundred pounds of air-dried ramie stalks contain:

| | |
|---|-------------|
| Stalk, without bark, 73 per cent, or | 73 pounds. |
| Cuticle, including gum, 6 per cent, or | 6 pounds. |
| Crude fiber, including gum, 21 per cent, or | 21 pounds. |
| | 100 pounds. |

The twenty-one pounds of crude fiber, including gum, contain:

| | |
|-----------------------------------|--------------|
| Gum, 31 per cent, or | 6.5 pounds. |
| Pure fiber, 69 per cent, or | 14.5 pounds. |
| | 21.0 pounds. |

Hence, the one hundred pounds of air-dried ramie stalks contain:

| | | |
|------------------------------|-------------|-------------|
| Stalk, without bark | 73 pounds) | 85.5 waste. |
| Cuticle, including gum | 6 pounds) | |
| Gum in crude fiber | 6.5 pounds) | |
| Pure fiber | 14.5 pounds | 14.5 |
| | 100.0 | 100.0 |

All the foregoing figures are based upon air-dried material, which contains about 10 per cent of moisture.

Results of Experimental Culture of Ramie on the University Grounds, Berkeley, and Reported for Ramie Department.

| Date of Cutting. | Plot. | Yield—Pounds. | Yield per Acre. | Percentage, Dry to Green. | When Planted. |
|-----------------------|-------|--------------------------------|-------------------|---------------------------|---------------|
| FIRST CROP. | | | | | |
| 1891—June 13 | 1 | { 688 green -- 104 dry ---- | { 48,848 7,348 | 15.1 | 1880 |
| 1891—June 13 | 2 | { 633 green -- 114 dry ---- | { 44,943 3,094 | 18.0 | 1888 |
| SECOND CROP. | | | | | |
| 1891—November 16..... | 1 | { 171 green -- 28 dry ---- | { 12,141 1,988 | 16.8 | 1880 |
| 1891—November 16..... | 2 | { 98 green -- 14 dry ---- | { 6,958 994 | 14.1 | 1888 |

The average yield of plot No. 1, for the three years in which two crops were cut, is 159 pounds of dry stalks, or 11,289 pounds per acre, which is equivalent to 2,971 pounds of crude fiber, assuming that 21 per cent of the dried stalk is crude fiber.

The amount of crude fiber contained in a crop of 20,000 pounds of dried stalks is 4,200 pounds.

ESTIMATED YIELD PER ACRE.

From all I can gather from the various sources of information which I have examined in relation to ramie fiber, I arrive at the following conclusion as a fair average expectation of product per acre, with favorable soil and cultivation:

The product of the first year will probably be from one quarter to one third of the amount of after years.

Calculating that five thousand roots have been planted per acre on thoroughly cultivated, good moist land, the yield after one year's growth may reasonably be expected to result in forty stalks per plant, each averaging one and one half ounces in a dry state. This would give 300,000 ounces, or 18,750 pounds per crop per acre.

Supposing the yield to be only 15 per cent crude fiber, equal to 2,812½ pounds, the gross income from two crops, or 5,625 pounds, at 4 cents, would be \$225, less 1 cent per pound for decortication.

It is believed this is the best fiber crop the farmer can plant for profit.

PLANTING RAMIE IN CALIFORNIA.

Owing to the lateness of the season (April and May) when most of the ramie plants were received and planted by the farmers, and in a number of cases the roots not being cared for properly, they did not do well, some remaining in the ground for months before coming up.

Mr. William Lichtenberg, of San Francisco, had two acres of ramie roots planted near Fresno, and also two acres on the Newhall Ranch, Ventura County. A gardener has been propagating the stalks for some months past, and enough cuttings have been obtained therefrom, including roots, to plant eighty acres near Pixley, four by four feet apart, this spring.

Mr. Arnold Becker planted several acres near Redding.

Captain H. E. Boyes, Sonoma County, California, planted nearly five acres. His letter to this department, given above, explains the results.

Mr. Jos. B. Galland, and some others of Merced, planted ramie on small tracts, principally as an experiment, in April last.

Mr. J. S. Drury, Bakersfield, Kern County, has about one quarter of an acre growing; the roots are seven years old, and are doing well.

Mr. Chas. A. Hull, Union House, Sacramento County, has planted one fourth of an acre.

Greenlaw & Son, Sacramento County, also planted a small quantity on the American River. The acreage was not very large. A plant grown in alkali soil was sent to the fair by Mr. Greenlaw.

Richard Russell Smith, of Stockton, has planted a small lot of roots as an experiment only, and this year will plant six acres. He is a strong believer in the suitability of the soil in San Joaquin County for ramie culture.

The Buhach Producing and Manufacturing Company, of Stockton, J. D. Peters, President, will plant ten thousand ramie roots on their ranch in the San Joaquin Valley this season.

We learn that the Kern County Land Company, at Bakersfield, California, will plant out large quantities of ramie roots this spring.

The experiments of planting and the working of the fiber in California will be noted carefully by this department, and the results reported.

EXHIBITIONS MADE UNDER THE CHARGE OF THE DEPARTMENT OF RAMIE CULTURE.

A very large space was secured at the State Fair held in September, 1891, at Sacramento, for a special exhibition of ramie culture and to exhibit a decorticating machine for cleaning the fiber in the dry state. Prof. E. W. Hilgard sent stalks, and quantities of dry stalks were also sent up from the Newhall Ranch, Ventura County. A large number of the plants were exhibited to show the style of plant and its culture.

Products of the fiber made in other parts of the world were exhibited, and "Ye old spinning wheel" was to be seen, in which ramie threads were spun to show the old system of hand spinning. It is to be hoped that ere long factories with the most improved spinning machinery will be running in our State, making ramie threads, which will be a valuable home industry.

An exhibition of ramie and its products was also made at the Mechanics' Industrial Exhibition at San Francisco in October, 1891, by this department.

Considerable expense was incurred to make this and other exhibits a means of developing this industry in our State.

A machine for working the ramie plant dry was exhibited.

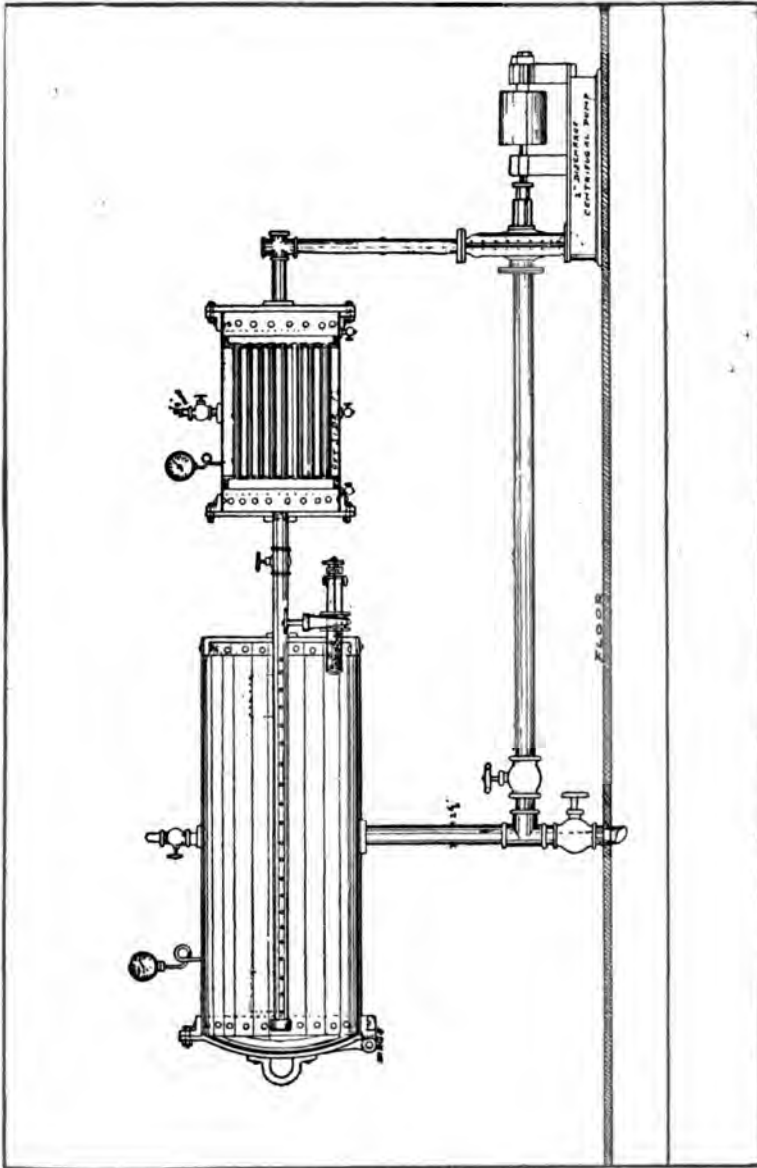
Special complimentary reports were made and diplomas were awarded to the contributors.

Samples of ramie stalks were sent by Prof. E. W. Hilgard, Director of the Agricultural Experiment Station of the University of California, and were passed through the machine.

Samples of ramie fiber cleaned and degummed by W. T. Forbes, an inventor just arrived from Mexico, were kindly placed on exhibition. Their luster and beauty, together with the strength, were very noticeable.

This is the green or chemical process referred to by the late reports of the Department of Agriculture at Washington, D. C., in a very complimentary way.

CLEANSING RAMIE FIBER.



Mr. Walter T. Forbes, a resident of Atlanta, Georgia, is the inventor of a process and apparatus for cleansing the ramie fiber and bleaching the same—preparing it by chemical methods—for the spinner. The

crude ramie is placed in the digester and subjected to the action of a chemical solution under heat. This action dissolves the epidermis (or outer bark), and at the same time dissolves the resinous gums in which the fiber is incased. After this treatment of the fiber it is allowed to dry, and is ready for the market in its unbleached condition. Mr. Forbes is at present in California, and is having an apparatus manufactured to demonstrate to our people the possibility and practicability of his method of treating this material.

A few extracts from a report on ramie fiber investigations, by Charles R. Dodge, Special Agent, may be of interest to all:

Ramie, as it comes from China to London, is produced in a small way and prepared by tedious methods, which gives but a few pounds of "China grass" per day—less than two pounds, one writer asserts.

The operations, according to Michotte, are as follows: "The freshly cut stalks are stripped of their leaves and scraped with a bamboo knife," to raise the pellicle or outer bark. Further preparations consist in boiling these ribbons in lye water; that is, in water and ashes. They are then spread out on houses to dry; in this way 25 per cent of the gum is extracted, the operation being repeated several times.

The reports of the Landtsheer machine, in Paris, show twenty-two pounds of wet ribbons in two and one half minutes, equal to one thousand four hundred pounds per day, while the Favier machine produced one thousand one hundred pounds in a day of ten hours.

Mexico has large tracts planted in ramie—nearly one thousand acres.

The South American republics also are active. In Venezuela some two thousand five hundred acres have been given by the Government to a company, to be devoted to the cultivation of the ramie plant.

Cuba is also planting and experimenting.

Honolulu has also a large acreage in ramie.

In France it is claimed that for the third year 1,500 francs per hectare is possible. This would be equal to about \$120 per acre.

M. P. A. Favier, of France, is about to put into operation a spinning mill, with two thousand five hundred spindles, to work ramie fabrics.

There is no question that ramie culture will pay, when the industry is fairly established, and the very fact that it will prove so remunerative will spur to greater effort to overthrow all remaining obstacles.

From Charles R. Dodge's report on ramie, flax, and hemp:

A new use for the fiber is in the manufacture of "absorbent." It is stated that while cotton lint, specially prepared for this purpose, absorbs $37\frac{1}{2}$ per cent of water, ramie will take up 87.9 per cent.

Mr. Charles Toppan, of Boston, Mass., has reported that a yarn mill will run exclusively on this fiber. Ramie goods produced from the yarn will be on the market soon, such as carpets, sail duck, tinsel, yarns, etc.

The Department of Agriculture of the United States will have a competitive trial of decorticating or treating ramie by the several processes in New Orleans in September of this year.

The American manufacturer should be able to get his supply at home, and the farmers of the South and California should produce it.

The world's progress towards the establishment of this industry has been slow, but some advancement has been made each year nevertheless, and the Department of Agriculture is hopeful that full success will be attained in a future not remote.

From page 16 of the above report, we give the following extract from President Porfario Diaz's speech, delivered to the Mexican Congress, in relation to the Forbes ramie process. He said:

The results obtained by the Compania Mexicana seem to be entirely satisfactory, for on some portions of said company's land in Mexico it will yield as much as six crops each year.

This company has different kinds of machines, but the apparatus and process of Mr. Forbes, by its quickness and economy in the production of the fiber, will assure considerable profits to the undertakers of this enterprise. This company has sent the first fibers extracted by this process to several factories for spinning, separately or mixed with wools, silk, and other threads.

By correspondence this department has made special arrangements with Mr. Walter T. Forbes, now in California, to show the farmers his

patent digester for cleaning ramie, hemp, jute, and similar fibrous plants. The results will be reported to the press in the near future by the Superintendent of Ramie Culture.

CORRESPONDENCE.

It is desired to show by correspondence of this department the very high appreciation in which ramie culture is held. Farmers should understand that the legality of the ramie bill has nothing to do with ramie growing as a profitable crop. It was only to promote the introduction of its culture in California.

DEPARTMENT OF AGRICULTURE, OFFICE OF ASSISTANT SECRETARY, }
WASHINGTON, D. C., June 15, 1891.

W. H. MURRAY, *Care State Board of Agriculture, Sacramento, Cal.:*

DEAR SIR: Regarding the proper distances at which ramie plants should be set, there are such differences in practice in Louisiana, that I would not like to make any statements at the present time. Some weeks ago I wrote to the Director of the Experiment Station for a brief report as to the practice which has given the best results in Louisiana. I expected to receive this in time to incorporate in my report, but it was not received in time. I find the plants have been set out four to six feet in the rows, requiring from seven to nine thousand roots to the acre.

The samples that have been received from you have been carefully preserved in our fiber collection. We think your plan of experimental plots showing living fiber plants a very good one. We shall introduce a similar feature at the Chicago Exposition, and I am now making full and complete collections of tropical fiber plants toward this end.

I remain, very truly yours,

CHAS. RICHARDS DODGE,
Special Agent Fiber Investigations.

THE TOPPAN-HOWLAND CO., FIBER DEPARTMENT, }
BOSTON, MASS., November 11, 1890.

W. H. MURRAY, *Esq.:*

DEAR SIR: Yours of the 3d, to our Mr. Toppan, at hand, also samples of ramie fiber, which are well done. Note what you state the amount you can decorticate per day, which is in excess of any machine that we have any knowledge of. The leaves sent indicate that you have the correct kind in cultivation; they agree with our stock, which we call the white. The white requires *no bleach* to get a pure white, for either colored goods or to be left in the white. This is of great advantage in the manufacture—saves time, processes with chemicals, and danger of injuring the goods, etc.

Now, judging from our standpoint, the two kinds are promising for culture—the white on the uplands, on high, sandy soil; the dark on the low, damp intervals lands. The white leaf commands always the highest price.

The Cuban ramie that we have seen has not been the equal of ramie grown in more temperate climates. Ramie is to be treated in the fields, or near the plantation, dried and baled and shipped like cotton.

You should encourage the growing of ramie in your State—this is one of the first things to be done.

Yours truly,

THE TOPPAN-HOWLAND CO.

REPORT OF A UNITED STATES CONSUL.

CONSULATE OF THE UNITED STATES, }
HANKOW, CHINA, January 31, 1891.

The soil in which ramie is grown is red clay, with sand mixed in. The means of propagation with the Chinese is to dig up the roots in the fall, separate them in small bunches, and replant. The stalks are cut three times yearly—in May, August, and October; it is said the first crop is longer in fiber and better in quality than the latter two. The process of working is sun-dried or dried over a charcoal fire. Sewing twines are made; also fish nets and cordage. The market price of sample No. 1 would be here, \$180 to \$135 per ton (U. S. gold). The exports from here are about ten thousand tons yearly. No difficulty to work the fiber in weaving cloth.

The Chinese say the gum can be readily removed by soaking it in hot water for a time. All the ramie goes to England, France, and Germany, little or none being sent to the United States.

The preparation of the plant is all done by hand by the farmers, being placed in water and rotted, as in the treatment of hemp. It is then beaten with a flail and broken, and is known as rhea (China grass, or ramie).

HENRY W. ANDREWS,
United States Consul.

RAMIE COMPANIES INCORPORATED IN CALIFORNIA IN 1891.

The California Ramie Company, of San Francisco, was incorporated in March, 1891, to decorticate the ramie stalks by the dry process; Wm. Lichtenberg, Manager. This company has agreed to send ramie cleaning machines to decorticate the stalks by the dry process where fifty acres or more shall have been planted. The company deems it best not to sell machines for the present, but to decorticate the plant at the lowest possible cost. It has been estimated that the expense will not exceed 1 cent per pound. This company will establish stations at the following places: Sacramento, Pixley, Bakersfield, Stockton, and Sonoma.

May 16, 1891, another ramie company, known as the Southern California Ramie Company, was incorporated under the laws of the State of California. E. G. Davis, fancy goods merchant of San Francisco, was elected President. After investigating the decortivating process introduced in our State, the Directors believed the time had arrived when it would be profitable to grow ramie. In an interview with Mr. Davis he thought that in the near future a company could be profitably formed to manufacture lace curtains in California from the ramie fiber. This company wanted to plant some two hundred and eight acres of ramie in the southern part of the State. Owing to the scarcity of roots a pound of ramie seed was imported, which was planted, but without success.

The San Francisco Ramie Fiber Silk Manufacturing Company was also incorporated during 1891, S. H. Slaught being named as President and Manager. This gentleman has a process for degumming the fiber after it has been decorticated, and claims that he can prepare it ready for the carder without injury or loss of strength and gloss.

SOME REASONS WHY THE RAMIE PLANT SHOULD BE EXTENSIVELY GROWN IN CALIFORNIA.

Ramie is conceded to be the finest fiber plant known to the world. When properly prepared for the loom the fiber possesses all the qualities necessary to the manufacture of the finest fabrics. Strength, durability, fineness, and readiness to accept dyes are among its attributes.

The following are reasons for its growth in this State:

First—The climate is such that from three to four crops can be harvested yearly, and the roots are said to be good for twenty-five years.

Second—As the plant is semi-tropical, and little or no frost is known in the great valleys of this State, they are eminently suited for its cultivation.

Third—The fiber produced from California-grown plants is pronounced by fiber experts to be better than most, if not the very best exhibited, having a less percentage of gum, and less tannin or coloring matter, than that obtained from Mexico.

Fourth—The dry process of decortication is especially adapted to California.

Fifth—Ramie is a great labor-saving crop; after the first year the

producer will have no more plowing, no more planting or seeding, and but little weeding.

Sixth—California is believed to be the first State where the dry process was successfully worked in the United States.

Seventh—The local merchants will purchase the fiber when decorticated, at quotations made and fully assured to growers.

Eighth—The production of ramie in merchantable quantities will be the means of opening up new industries, by the establishment of factories which will give employment to many persons, both male and female.

Ninth—Ramie is for many purposes a good substitute for silk. Silks worth \$26,000,000 passed through California last year en route to the mills in the East, for a large portion of which ramie could be substituted, if it were obtainable here.

Tenth—It was first demonstrated in California at an exhibition made at the State Fair, and in San Francisco at the Mechanics' Fair, that the dry process of decortication was a success and would make the cultivation of the plant profitable.

Eleventh—The State Legislature has been liberal in its encouragement to ramie growers, granting them a bounty of 1 cent per pound on the product, limited to \$10,000 for two years.

Twelfth—The greatest interest is taken in its growth all over the world, and new inventions for its economical preparation for the market are being constantly made. There are several green or chemical processes now under trial in the State, the result of which will be watched with much interest.

ANNUAL METEOROLOGICAL REVIEW
OF THE
STATE OF CALIFORNIA DURING THE YEAR 1891,
BY THE
Meteorological Department of the State Agricultural Society.

Compiled by JAMES A. BARWICK, Observer United States Weather Bureau, Director State Weather Service, and Meteorologist to the State Agricultural Society.

SACRAMENTO, CAL., February 1, 1892.

EDWIN F. SMITH, *Secretary State Agricultural Society*:

SIR: I have the honor to submit this my eighth annual meteorological review of this State, as deduced from the records of numerous voluntary observers scattered throughout the State, and also from the regular Weather Bureau stations of the United States Department of Agriculture. It gives me great pleasure to be able to lay before you the advance sheets of an article on the "Irrigation and Water Storage of the Arid Regions of California and Nevada," kindly furnished by Lieut. William A. Glassford, Signal Officer. This article was especially prepared by authority of the Chief Signal Officer, Gen. A. W. Greeley, and was called for by an Act of Congress. It is, therefore, with pleasure I am able to say that through the State Agricultural Society this most valuable, instructive, and interesting article will reach thousands of people in this State that it would never reach if it were only to appear in a public United States document.

The article by Lieut. John P. Finley (Forecast Officer of the Pacific Coast) on the "Cyclonic Glimpses of California Weather," is also another most valuable contribution to the meteorological data of the State of California.

I have briefed the statistical data of this State for 1891 to as small a compass as possible, in order that the more important and valuable articles of Lieutenants Glassford and Finley might appear in their entirety. It is my intention to make the report for 1892 as full of statistical data as possible, by bringing down all reports from their first beginning to December, 1892, and making my 1892 report a special edition, containing the gist of all the past annual reviews, for the purpose of being able to put the climatic facts, figures, and features of this great State in a compact body for general distribution at the "World's Fair" in 1893, and for that reason I have curtailed and briefed to the smallest degree possible the statistical data of the climate of this State for 1891, which I hope will prove satisfactory both to yourself and the reviewing Board.

No report was received from the observer at San Diego, which is the reason that no climatic data appear in the present review.

Very respectfully, your most obedient servant,

JAMES A. BARWICK,
Observer Weather Bureau, Director State Weather Service, and Meteor-
ologist to the State Agricultural Society.

GENERAL WEATHER REVIEW.

ANNUAL WEATHER SUMMARY IN SACRAMENTO, FROM 1879 TO 1891.

Sacramento City is geographically situated in latitude north $38^{\circ} 35'$; longitude west from Greenwich, $121^{\circ} 30'$; elevation above sea level, 35 feet; elevation of the zero point of the barometer cistern above sea level, 64 feet.

The accompanying table gives the average barometer; the highest, lowest, and range of barometer for each year; average temperature; highest, lowest, and range of temperature; greatest and least monthly range of temperature; average maximum, minimum, and range of temperature; average relative humidity and dew point; yearly precipitation; prevailing direction of wind; maximum velocity of wind, and direction at the time of maximum velocity; number of clear, fair, and cloudy days, and number of days each year that rain fell; number of earthquakes, snow storms, and electric storms; number of solar and lunar halos; light and killing frosts; number of days the maximum temperature was above 90° , and total number of days the minimum temperature was below 32° :

| WEATHER REVIEW FOR: | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. | 1889. | 1890. | 1891. |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Average barometer | 30.00 | 30.03 | 30.08 | 30.05 | 30.05 | 29.99 | 29.98 | 29.99 | 29.98 | 29.97 | 29.97 | 30.01 | 30.00 |
| Highest barometer | 30.68 | 30.49 | 30.46 | 30.52 | 30.74 | 30.58 | 30.43 | 30.50 | 30.46 | 30.62 | 30.37 | 30.47 | 30.58 |
| Lowest barometer | 29.38 | 29.48 | 29.61 | 29.71 | 29.62 | 29.42 | 29.46 | 29.32 | 29.45 | 29.49 | 29.41 | 29.43 | 29.15 |
| Range of barometer | 1.30 | 1.01 | 0.85 | 0.81 | 1.12 | 1.16 | 0.97 | 1.19 | 1.01 | 1.13 | 0.96 | 1.04 | 1.43 |
| Average temperature | 60.3 | 57.2 | 59.2 | 58.8 | 58.8 | 58.8 | 61.2 | 58.8 | 59.9 | 60.6 | 60.9 | 59.4 | 59.5 |
| Highest temperature | 103.0 | 98.6 | 98.6 | 99.8 | 103.5 | 100.0 | 106.0 | 106.0 | 100.0 | 107.5 | 104.0 | 102.0 | 106.0 |
| Lowest temperature | 25.0 | 25.0 | 31.9 | 27.0 | 22.0 | 21.0 | 34.2 | 27.5 | 28.0 | 19.0 | 31.0 | 29.0 | 26.0 |
| Range of temperature | 78.0 | 73.0 | 66.7 | 72.8 | 81.5 | 79.0 | 70.8 | 77.5 | 72.0 | 88.5 | 73.0 | 73.0 | 80.0 |
| Greatest range of temperature | 48.0 | 49.0 | 48.7 | 56.2 | 55.3 | 46.0 | 58.0 | 52.8 | 53.7 | 56.5 | 54.0 | 50.0 | 53.0 |
| Least range of temperature | 33.7 | 26.0 | 27.0 | 31.6 | 35.7 | 30.0 | 27.0 | 33.2 | 35.2 | 27.0 | 27.0 | 28.0 | 36.0 |
| Average maximum temperature | 83.7 | 80.0 | 81.6 | 82.0 | 84.3 | 70.0 | 73.2 | 71.5 | 72.9 | 73.3 | 72.5 | 70.3 | 72.4 |
| Average minimum temperature | 41.2 | 39.9 | 42.1 | 40.1 | 39.8 | 49.7 | 51.8 | 49.1 | 47.7 | 49.4 | 49.3 | 48.6 | 48.8 |
| Mean maximum and minimum temperature | 62.4 | 59.9 | 61.8 | 61.0 | 62.0 | 59.8 | 62.5 | 60.3 | 60.3 | 61.4 | 60.9 | 59.4 | 60.6 |
| Average range of temperature | 42.5 | 40.1 | 39.5 | 41.9 | 44.5 | 38.8 | 40.7 | 42.6 | 46.2 | 45.8 | 23.2 | 21.7 | 46.0 |
| Average humidity | 65.7 | 64.6 | 66.7 | 66.0 | 69.0 | 70.7 | 67.8 | 70.1 | 63.7 | 67.1 | 68.3 | 68.0 | 66.0 |
| Average dew point | S. | S. | S. | 45.7 | 47.3 | 48.5 | 48.8 | 47.8 | 46.0 | 47.6 | 48.2 | 48.0 | 46.0 |
| Prevailing direction of wind | S. | S. | S. | S. | S. | S. | S. | S.E. | N.W. | S.E. | S.E. | S.E. | S.E. |
| Total precipitation | 22.37 | 31.99 | 20.71 | 18.04 | 15.48 | 34.92 | 20.72 | 18.17 | 13.43 | 18.46 | 27.48 | 20.95 | 15.63 |
| Velocity of wind | 52.214 | 62.497 | 57.846 | 58.874 | 62.611 | 62.611 | 62.405 | 56.056 | 61.322 | 56.964 | 58.794 | 59.616 | 61.562 |
| Maximum velocity of wind | 39 | 40 | 39 | 38 | 36 | 38 | 38 | 44 | 40 | 48 | 42 | 42 | 39 |
| Direction of maximum velocity | S. | S.E. | S.E. | S.E. | N.W. | N.W. | S.E. | S.E. | S.E. | S.E. | S.E. | S.E. | S. |
| Clear days | 288 | 237 | 251 | 249 | 263 | 239 | 227 | 262 | 267 | 288 | 218 | 237 | 230 |
| Fair days | 59 | 60 | 60 | 76 | 76 | 68 | 83 | 76 | 74 | 75 | 91 | 59 | 90 |
| Cloudy days | 58 | 70 | 45 | 40 | 26 | 59 | 50 | 27 | 24 | 52 | 57 | 69 | 45 |
| Days of precipitation | 79 | 70 | 67 | 70 | 54 | 76 | 62 | 57 | 56 | 63 | 77 | 55 | 61 |
| Snow storms | 1 | 1 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| Electric storms | 4 | 3 | 4 | 2 | 2 | 2 | 6 | 3 | 2 | 3 | 7 | 2 | 2 |
| Light frosts | 17 | 14 | 84 | 69 | 33 | 31 | 24 | 80 | 18 | 6 | 18 | 19 | 17 |
| Killing frosts | 27 | 32 | 4 | 12 | 40 | 22 | 0 | 10 | 26 | 14 | 14 | 10 | 23 |
| Days temperature was above 90° | 48 | 16 | 18 | 43 | 45 | 22 | 49 | 45 | 48 | 58 | 51 | 28 | 57 |
| Days temperature was below 32° | 14 | 17 | 1 | 5 | 27 | 13 | 0 | 4 | 9 | 12 | 7 | 5 | 11 |

RAINFALL IN SACRAMENTO FROM SEPTEMBER, 1849, TO MARCH 1, 1892.
 From the records of Dr. T. M. Logan, Dr. F. W. Hatch, and the Signal Service:

| YEAR. | January. | February. | March. | April. | May. | June. | July. | August. | Septem-ber. | October. | Novem-ber. | Decem-ber. | Total for Year. | Season of | Total for Season. |
|-------|----------|-----------|--------|---------|---------|---------|---------|---------|-------------|----------|------------|------------|-----------------|-----------|-------------------|
| 1849 | 4.50 | 50 | 10.00 | 4.25 | .25 | none | none | none | .25 | 1.50 | 2.25 | 12.50 | 19.50 | 1849-50 | 36.00 |
| 1850 | 4.50 | 35 | 1.88 | 1.14 | .69 | none | none | none | 1.00 | none | 2.14 | spring | 19.50 | 1850-51 | 4.71 |
| 1851 | 65 | 12 | 6.40 | 1.19 | .30 | none | none | none | spring. | none | 6.00 | 7.07 | 15.10 | 1851-52 | 17.98 |
| 1852 | 58 | 2.00 | 7.00 | 3.50 | 1.46 | spring. | spring. | none | spring. | none | 1.60 | 13.40 | 27.00 | 1852-53 | 36.86 |
| 1853 | 3.00 | 8.50 | 3.25 | 1.50 | .21 | .31 | none | none | spring. | 1.01 | .65 | 1.54 | 19.89 | 1853-54 | 20.06 |
| 1854 | 3.25 | 3.46 | 4.32 | 4.32 | 1.16 | .01 | none | none | spring. | none | .75 | 2.00 | 18.56 | 1854-55 | 18.62 |
| 1855 | 2.67 | 3.46 | 2.00 | 4.32 | 1.16 | .03 | none | none | spring. | none | .65 | 2.40 | 18.56 | 1855-56 | 13.76 |
| 1856 | 4.92 | 68 | 1.40 | 2.13 | 1.84 | .35 | none | none | spring. | .20 | .65 | 2.40 | 14.23 | 1856-57 | 10.46 |
| 1857 | 1.38 | 4.80 | 2.88 | spring. | spring. | none | none | spring. | none | .68 | 2.41 | 2.63 | 12.91 | 1857-58 | 15.00 |
| 1858 | 2.44 | 2.46 | 2.88 | 1.21 | .20 | .10 | .01 | spring. | spring. | 3.01 | .15 | 4.34 | 16.80 | 1858-59 | 16.08 |
| 1859 | .96 | 3.91 | 1.64 | .98 | 1.04 | none | none | none | .02 | none | 6.48 | 1.83 | 16.86 | 1859-60 | 22.09 |
| 1860 | 2.31 | .98 | 5.11 | 2.87 | 2.49 | .02 | .63 | none | .06 | .91 | 1.18 | 4.28 | 19.19 | 1860-61 | 16.10 |
| 1861 | 2.67 | 2.92 | 3.32 | .48 | .59 | .14 | .55 | none | none | spring. | 2.17 | 8.64 | 21.38 | 1861-62 | 35.56 |
| 1862 | 15.04 | 4.26 | 2.80 | .82 | 1.81 | .01 | none | none | none | .36 | spring. | 2.83 | 27.44 | 1862-63 | 11.58 |
| 1863 | 1.73 | 2.75 | 2.38 | 1.69 | .38 | none | none | none | spring. | none | 1.49 | 1.82 | 12.20 | 1863-64 | 7.87 |
| 1864 | 1.08 | .19 | 1.30 | 1.08 | .74 | .09 | spring. | none | .08 | .12 | 6.72 | 7.87 | 19.27 | 1864-65 | 22.51 |
| 1865 | 4.78 | .71 | .48 | 1.37 | .46 | none | spring. | none | .08 | .48 | 2.43 | .36 | 11.15 | 1865-66 | 17.93 |
| 1866 | 7.70 | 2.01 | 2.02 | .48 | 2.25 | .10 | none | none | none | spring. | 2.43 | 9.51 | 26.52 | 1866-67 | 25.30 |
| 1867 | 3.44 | 7.10 | 1.01 | 1.80 | .01 | none | none | none | none | none | 3.81 | 12.85 | 30.08 | 1867-68 | 32.79 |
| 1868 | 6.04 | 3.15 | 4.35 | 2.31 | .27 | spring. | none | none | none | none | .77 | 2.61 | 19.50 | 1868-69 | 16.64 |
| 1869 | 4.79 | 3.63 | 2.94 | 1.24 | .65 | .01 | none | none | spring. | 2.12 | .85 | 1.98 | 18.19 | 1869-70 | 13.57 |
| 1870 | 1.37 | 3.24 | 1.64 | 2.12 | .27 | spring. | spring. | spring. | none | .02 | .58 | .97 | 10.21 | 1870-71 | 8.47 |
| 1871 | 2.08 | 1.92 | .69 | 1.45 | .76 | spring. | none | none | spring. | .21 | 1.22 | 10.59 | 18.92 | 1871-72 | 23.65 |
| 1872 | 4.04 | 4.74 | 1.94 | .61 | .28 | .02 | none | none | spring. | .22 | 1.93 | 5.39 | 19.17 | 1872-73 | 14.21 |
| 1873 | 1.23 | 4.36 | .55 | .51 | none | spring. | .02 | spring. | none | .31 | 1.21 | 10.01 | 18.20 | 1873-74 | 22.90 |
| 1874 | 5.20 | 1.86 | 3.05 | .89 | .37 | spring. | spring. | none | .06 | 2.26 | 3.80 | .44 | 17.92 | 1874-75 | 17.70 |
| 1875 | 8.70 | .55 | .80 | spring. | spring. | 1.10 | none | none | none | .44 | 6.20 | 5.52 | 23.31 | 1875-76 | 26.53 |
| 1876 | 4.99 | 3.75 | 4.15 | 1.10 | .16 | none | none | none | spring. | 3.45 | .30 | none | 18.12 | 1876-77 | 8.96 |
| 1877 | 2.77 | 1.04 | .56 | .19 | .64 | .01 | spring. | spring. | none | .73 | 1.07 | 1.43 | 8.44 | 1877-78 | 24.86 |
| 1878 | 9.26 | 8.04 | 3.09 | 1.07 | .17 | none | none | none | .29 | .55 | .51 | .47 | 23.45 | 1878-79 | 17.85 |
| 1879 | 3.18 | 3.88 | 4.88 | 2.66 | 1.30 | .13 | spring. | spring. | none | .88 | 2.05 | 3.41 | 22.87 | 1879-80 | 26.47 |
| 1880 | 1.64 | 1.83 | 1.70 | 14.20 | .76 | none | spring. | none | none | none | .08 | 11.81 | 31.99 | 1880-81 | 28.57 |
| 1881 | 6.14 | 5.08 | 1.37 | 1.64 | spring. | .50 | spring. | none | .30 | .56 | 1.88 | 3.27 | 20.71 | 1881-82 | 16.51 |
| 1882 | 1.89 | 2.40 | 3.78 | 1.99 | .35 | spring. | spring. | none | .57 | 2.63 | 3.22 | 1.13 | 18.06 | 1882-83 | 18.11 |
| 1883 | 2.23 | 1.11 | 3.70 | .67 | 2.85 | none | none | none | .80 | .96 | .61 | .44 | 13.48 | 1883-84 | 24.78 |
| 1884 | 3.43 | 4.46 | 8.14 | 4.32 | .06 | 1.45 | none | spring. | .60 | 2.01 | none | 10.45 | 34.92 | 1884-85 | 16.58 |

| | | | | | | | | | | | | | | | |
|----------------------|--------|--------|--------|---------|-------|---------|---------|---------|------|---------|-------|--------|--------|---------|--------|
| 1885 | 2.16 | .49 | .68 | spring. | .11 | spring. | none | none | .08 | .02 | 11.84 | 5.76 | 20.72 | 1885-86 | 32.27 |
| 1886 | 7.06 | .29 | 2.68 | spring. | none | none | none | none | none | none | .21 | 2.21 | 18.17 | 1886-87 | 13.97 |
| 1887 | 1.12 | 6.28 | .94 | spring. | none | none | spring. | spring. | .02 | none | 45. | 2.06 | 13.43 | 1887-88 | 11.66 |
| 1888 | 4.81 | .57 | 3.04 | spring. | .08 | spring. | spring. | spring. | .55 | none | 4.28 | 4.63 | 18.46 | 1888-89 | 19.96 |
| 1889 | .15 | .33 | 6.25 | spring. | .25 | spring. | spring. | spring. | none | 6.02 | 3.15 | 7.82 | 27.48 | 1889-90 | 33.80 |
| 1890 | 6.62 | 4.06 | 3.00 | spring. | none | none | none | none | .80 | spring. | none | 3.34 | 20.95 | 1890-91 | 15.81 |
| 1891 | .53 | 6.61 | 1.78 | spring. | .06 | spring. | none | none | .10 | .10 | .48 | 3.23 | 15.63 | 1891-92 | †8.68 |
| 1892 | 1.78 | *2.84 | 2.04 | spring. | .06 | spring. | none | none | .10 | .10 | .48 | 3.23 | 15.63 | 1891-92 | †8.68 |
| Totals. | 157.20 | 124.15 | 122.83 | 77.42 | 28.70 | 4.97 | 1.44 | .11 | 5.68 | 32.60 | 88.87 | 123.18 | 820.87 | | 816.62 |
| Average for 42 years | 3.66 | 2.88 | 2.92 | 1.84 | .66 | .12 | .03 | .003 | .13 | .76 | 2.05 | 2.87 | 19.53 | | 19.92 |

* Up to March 1, 1892. † Season up to March 1, 1892.

RED HILL RANCH, UPPER LAKE, LAKE COUNTY, CAL.

By CHARLES MIFFLIN HAMMOND, Voluntary Observer.

Average Maximum Temperature for Seven Years.

| MONTH. | 1885. | 1886. | 1887. | 1888. | 1889. | 1890. | 1891. | Monthly Average. |
|---------------------|-------|-------|-------|-------|-------|-------|-------|------------------|
| January | 55.71 | 55.88 | 57.96 | 48.22 | 60.12 | 44.64 | 60.88 | 54.6 |
| February | 64.10 | 67.32 | 49.10 | 63.56 | 64.12 | 52.25 | 52.57 | 59.0 |
| March | 72.19 | 60.29 | 67.70 | 60.93 | 63.36 | 57.00 | 63.08 | 63.5 |
| April | 68.60 | 63.22 | 63.36 | 74.40 | 68.16 | 68.96 | 63.43 | 67.2 |
| May | 77.38 | 71.70 | 74.54 | 72.90 | 71.58 | 73.98 | 71.29 | 73.3 |
| June | 76.10 | 83.20 | 82.23 | 72.66 | 86.03 | 79.13 | 76.50 | 79.4 |
| July | 88.51 | 90.06 | 91.09 | 86.16 | 90.48 | 87.35 | 88.93 | 88.9 |
| August | 95.25 | 92.77 | 89.67 | 92.61 | 90.12 | 90.41 | 91.77 | 92.4 |
| September | 87.53 | 88.10 | 86.37 | 88.43 | 88.00 | 87.10 | 78.96 | 86.4 |
| October | 79.61 | 70.25 | 88.03 | 79.00 | 67.29 | 78.70 | 76.96 | 76.4 |
| November | 56.80 | 65.13 | 63.60 | 64.70 | 63.20 | 71.80 | 67.86 | 64.7 |
| December | 58.64 | 57.99 | 56.51 | 56.96 | 49.73 | 59.87 | 49.51 | 55.6 |
| Yearly average | 73.37 | 72.11 | 72.26 | 71.73 | 71.54 | 70.92 | 70.09 | 71.8 |

Average Minimum Temperature for Seven Years.

| MONTH. | 1885. | 1886. | 1887. | 1888. | 1889. | 1890. | 1891. | Monthly Average. |
|---------------------|-------|-------|-------|-------|-------|-------|-------|------------------|
| January | 37.80 | 37.09 | 35.51 | 32.03 | 33.54 | 32.00 | 33.45 | 34.5 |
| February | 40.10 | 40.92 | 31.17 | 37.44 | 34.07 | 33.96 | 33.64 | 35.9 |
| March | 42.54 | 38.16 | 39.03 | 38.12 | 41.93 | 37.12 | 39.64 | 39.5 |
| April | 44.70 | 43.23 | 41.63 | 44.56 | 45.13 | 42.80 | 41.10 | 43.3 |
| May | 47.06 | 47.64 | 47.00 | 47.00 | 43.00 | 49.90 | 47.61 | 47.7 |
| June | 49.26 | 58.86 | 51.20 | 50.06 | 55.80 | 50.26 | 48.60 | 52.0 |
| July | 54.35 | 55.45 | 52.12 | 55.25 | 56.16 | 54.45 | 56.00 | 54.8 |
| August | 56.45 | 55.29 | 52.51 | 56.00 | 53.61 | 55.22 | 56.29 | 55.2 |
| September | 51.08 | 48.70 | 43.30 | 55.80 | 49.96 | 50.80 | 49.30 | 49.7 |
| October | 47.48 | 46.80 | 45.06 | 45.87 | 47.12 | 41.96 | 44.16 | 44.6 |
| November | 44.86 | 36.66 | 36.50 | 39.66 | 40.10 | 35.30 | 37.56 | 38.6 |
| December | 43.41 | 39.87 | 34.90 | 41.33 | 37.86 | 32.22 | 32.51 | 36.9 |
| Yearly average | 46.54 | 44.88 | 42.49 | 45.26 | 45.27 | 42.99 | 43.32 | 44.4 |

Normal Temperature.

The following is the average monthly temperature, as deduced from records of the past seven years; that is, it is the mean of the mean highest and lowest temperatures added together and divided by two, which gives the normal monthly temperature, as follows:

| MONTH. | Mean Maximum Temperature | Mean Minimum Temperature | Sums | Normal Tem- perature |
|---------------------|-----------------------------|-----------------------------|-------|-------------------------|
| January..... | 54.6 | 34.5 | 89.1 | 44.6 |
| February..... | 59.0 | 35.9 | 94.9 | 47.4 |
| March..... | 63.5 | 39.5 | 103.0 | 51.5 |
| April..... | 67.2 | 43.3 | 110.5 | 55.2 |
| May..... | 73.3 | 47.7 | 121.0 | 60.5 |
| June..... | 79.4 | 52.0 | 131.4 | 65.7 |
| July..... | 83.9 | 54.8 | 138.7 | 71.8 |
| August..... | 92.4 | 55.2 | 147.6 | 73.8 |
| September..... | 86.4 | 49.7 | 136.1 | 68.0 |
| October..... | 76.4 | 44.6 | 121.0 | 60.5 |
| November..... | 64.7 | 38.6 | 103.3 | 51.6 |
| December..... | 55.6 | 38.9 | 94.5 | 42.2 |
| Yearly average..... | 71.8 | 44.4 | 116.2 | 58.1 |

WEATHER SUMMARY FOR 1891, AT EUREKA, HUMBOLDT COUNTY.

| | |
|--|---------------------------|
| Mean annual barometer..... | 30.01 inches. |
| Mean annual temperature..... | 52.2° |
| Highest temperature..... | 75°, in October. |
| Lowest temperature..... | 30°, in December. |
| Mean annual maximum temperature..... | 57.9° |
| Mean annual minimum temperature..... | 46.6° |
| Mean annual dew point..... | 48° |
| Mean annual humidity..... | 89 per cent. |
| Mean annual cloudiness (0 to 10)..... | 6.2 |
| Total precipitation..... | 45.80 inches. |
| Greatest amount in any consecutive twenty-four hours..... | 2.22 inches, in December. |
| Total velocity of wind during the year..... | 55,254 miles. |
| Least total monthly velocity..... | 3,144 miles, in October. |
| Greatest total monthly velocity..... | 6,183 miles, in April. |
| Highest or maximum hourly velocity..... | 40 miles, in December. |
| Prevailing wind direction for the year..... | Northwest. |
| Total number of cloudless days during the year..... | 84 |
| Total number of partly cloudy days during the year..... | 114 |
| Total number of cloudy days during the year..... | 167 |
| Total number of days .01 of an inch of rain fell..... | 153 |
| Thunder storms during the year, 3. One in February, one in April, and one in December. | |

WEATHER SUMMARY FOR 1891, AT RED BLUFF, CAL.

Compiled and tabulated by JOHN J. McLEAN, Observer in Charge.

| | |
|---|----------------|
| Average barometer | 29.66 inches. |
| Highest barometer | 30.23 inches. |
| Lowest barometer | 29.23 inches. |
| Range of barometer | .96 inch. |
| Average temperature | 62.4° |
| Highest temperature | 114.0° |
| Lowest temperature | 28.0° |
| Range of temperature | 88.0° |
| Greatest monthly range of temperature | 60.0° |
| Least monthly range of temperature | 35.0° |
| Average maximum temperature | 73.8° |
| Average minimum temperature | 50.9° |
| Average range of temperature | 22.9° |
| Average humidity | 58.7 per cent. |
| Average dew point | 43.8° |
| Prevailing direction of wind | Northwest. |
| Total precipitation | 23.04 inches. |
| Total velocity of wind | 60,134 miles. |
| Maximum velocity of wind | 52 miles. |
| Direction at time of maximum velocity | Southeast. |
| Clear days | 193 |
| Partly cloudy days | 108 |
| Cloudy days | 62 |
| Precipitation days | 90 |
| Thunder and lightning | 1 |
| Days temperature above 90° | 79 |
| Days temperature below 32° | 16 |

Exceptional precipitation occurred in twenty-four hours, February 14-15, 8.80 inches.
 Exceptional low water, 4 of a foot below low water of 1876; this during September, October, and November.

WEATHER SUMMARY FOR 1891, AT SAN FRANCISCO.

By GEORGE H. WILSON, Observer Weather Bureau.

| | |
|--|-----------------------------|
| Average barometer | 29.92 inches. |
| Highest barometer | 30.42 inches, December 6th. |
| Lowest barometer | 29.01 inches, February 22d. |
| Range of barometer | 1.41 inches. |
| Average temperature | 56.6° |
| Highest temperature | 100°, June 29th. |
| Lowest temperature | 37°, December 25th. |
| Range of temperature | 63° |
| Average maximum temperature | 63.2° |
| Average minimum temperature | 49.9° |
| Average monthly range of temperature | 34° |
| Average humidity | 80 per cent. |
| Average dew point | 48° |
| Prevailing direction of wind | West. |
| Total precipitation | 21.11 inches. |
| Total movement of wind | 73,418 miles. |
| Maximum velocity of wind | 48 miles, February 22d. |
| Direction of maximum velocity | Southwest. |
| Clear days | 185 |
| Fair days | 100 |
| Cloudy days | 80 |
| Days of precipitation | 81 |
| Snow storms | 0 |
| Thunder and lightning | 0 |
| Days temperature above 90° | 3 |
| Days temperature below 32° | 0 |

WEATHER AT IOWA HILL, PLACER COUNTY, CAL.

Summary of the weather record kept by C. F. Macy, at Iowa Hill, Placer County, for the year 1891. Altitude, 2,825 feet above sea level.

| MONTH. | Clear Days..... | Fair Days | Cloudy Days.... | Rainy Days.... | Precipitation— Inches | HIGHEST TEMPERATURE. | | | LOWEST TEMPERATURE. | | | MEAN TEMPERATURE. | | | Light Frosts | Killing Frosts... | Prevailing Winds. |
|----------------|-----------------|-----------------|-----------------|----------------|--------------------------------|----------------------|---------|---------|---------------------|---------|---------|-------------------|---------|---------|--------------------|-------------------|----------------------|
| | | | | | | 7 A. M. | 2 P. M. | 9 P. M. | 7 A. M. | 2 P. M. | 9 P. M. | 7 A. M. | 2 P. M. | 9 P. M. | | | |
| January..... | 15 | 6 | 10 | 6 | 1.96 | 54 | 72 | 68 | 30 | 48 | 35 | 40.01 | 57.84 | 44.82 | 6 | 2 | S. to S.W. |
| February..... | 7 | 1 | 20 | 15 | 10.52 | 50 | 59 | 51 | 29 | 37 | 32 | 37.98 | 48.32 | 39.85 | 5 | 5 | S. to S.W. |
| March..... | 13 | 2 | 16 | 13 | 8.28 | 52 | 77 | 66 | 29 | 44 | 34 | 43.84 | 57.98 | 46.46 | 1 | 1 | S. to S.W. |
| April..... | 13 | 3 | 14 | 8 | 3.56 | 64 | 85 | 65 | 35 | 38 | 35 | 47.80 | 62.20 | 50.26 | 0 | 0 | S. to S.W. |
| May..... | 15 | 7 | 9 | 5 | 2.03 | 73 | 85 | 68 | 46 | 52 | 49 | 58.52 | 62.58 | 57.32 | 0 | 0 | S. to S.W. |
| June..... | 22 | 3 | 5 | 6 | 2.13 | 81 | 102 | 82 | 52 | 60 | 52 | 61.63 | 77.30 | 62.44 | 0 | 0 | S. to S.W. |
| July..... | 27 | 1 | 3 | 2 | .88 | 80 | 101 | 83 | 55 | 61 | 53 | 71.09 | 83.80 | 72.71 | 0 | 0 | S. to S.W. |
| August..... | 28 | 2 | 1 | — | — | 81 | 102 | 84 | 59 | 73 | 60 | 71.35 | 81.29 | 73.71 | 0 | 0 | S. to S.W. |
| September..... | 20 | 5 | 6 | 4 | .80 | 77 | 96 | 77 | 45 | 62 | 48 | 62.56 | 79.43 | 63.67 | 0 | 0 | S. to S.W. |
| October..... | 25 | 4 | 2 | 1 | .98 | 64 | 87 | 71 | 47 | 59 | 49 | 57.45 | 76.84 | 60.87 | 0 | 0 | S. to S.W. |
| November..... | 23 | 2 | 5 | 5 | 1.51 | 61 | 76 | 61 | 38 | 52 | 44 | 49.50 | 65.67 | 52.80 | 1 | 0 | S. to S.W. |
| December..... | 13 | 3 | 15 | 15 | 11.64 | 52 | 67 | 54 | 22 | 35 | 25 | 37.19 | 47.45 | 38.67 | 4 | 5 | S. to S.W. |
| Sums | 221 | 39 | 105 | 80 | 43.75 | | | | | | | 638.92 | 815.65 | 663.07 | 12 | 13 | |

Annual mean temperature at above hours, 57.93°.

ANNUAL SUMMARY AT KEELER, INYO COUNTY, CAL.

By H. E. WILKINSON, Observer Weather Bureau. Elevation, 3,622 feet.

| | |
|---------------------------------|-----------------------------------|
| Mean annual pressure | 26.29 inches. |
| Mean 8 A. M. pressure | 26.32 inches. |
| Mean 8 P. M. pressure | 26.26 inches. |
| Highest pressure | 26.81 inches, December 7th. |
| Lowest pressure | 25.61 inches, February 23d. |
| Mean range of pressure | 0.59 inch. |
| Absolute range of pressure | 1.20 inches. |
| Mean 8 A. M. temperature | 52.3° |
| Mean 8 P. M. temperature | 67.0° |
| Mean maximum temperature | 71.2° |
| Mean minimum temperature | 48.6° |
| Mean annual temperature | 59.9° |
| Highest temperature | 101°, August 23d. |
| Lowest temperature | 17°, December 25th. |
| Mean daily range of temperature | 22.5° |
| Mean dew point | 33° |
| Mean humidity | 40 per cent. |
| Total precipitation | 2.53 inches. |
| Average cloudiness | 3.5 |
| Number of cloudless days | 204 |
| Number of partly cloudy days | 83 |
| Number of cloudy days | 78 |
| Number of rainy days | 31 |
| Prevailing direction of wind | East. |
| Total annual movement | 60,978 miles. |
| Maximum velocity of wind | 54 miles per hour, on March 18th. |
| Average hourly velocity | 7.0 miles. |

WEATHER SUMMARY FOR 1891, AT FRESNO, CAL.

By J. R. WILLIAMS, Observer Weather Bureau.

| | |
|--------------------------------------|-------------------------------------|
| Average barometer | 29.62 inches. |
| Highest barometer | 30.16 inches, December 6th and 7th. |
| Lowest barometer | 28.96 inches, February 23d. |
| Average temperature | 63° |
| Highest temperature | 114°, in July. |
| Lowest temperature | 26°, in January. |
| Number of days temperature above 90° | 87 |
| Number of days temperature below 32° | 20 |
| Mean dew point | 41° |
| Mean humidity | 55 per cent. |
| Total precipitation | 8.94 inches. |
| Total velocity wind for 1891 | 54,773 miles. |
| Prevailing direction of wind | Northwest. |
| Clear days | 235 |
| Fair days | 98 |
| Cloudy days | 32 |
| Days .01 of an inch of rain fell | 41 |
| Thunder storm | 1 |
| Last frost | April 8th. |
| Last fog | April 20th. |
| Last rain | June 11th. |
| First dew of season | August 19th. |
| First rain of season | August 14th. |
| First light frost | October 2d. |
| First ice made | October 2d. |
| First killing frost | December 1st. |
| First fog | November 2d. |

CLIMATIC OBSERVATIONS NEAR PASO ROBLES, CAL.

From "Pacific Rural Press."

This portion of the Coast Range is subject to greater fluctuations of temperature than has been heretofore supposed. The mean monthly temperature can never be used as conclusive evidence of any climate. Nothing could be more misleading in reference to the climate under consideration—a climate representative of many higher valleys in the

California coast ranges. The station is situated eighty feet above the Salinas River, about eight hundred feet above the sea level, and forty miles due east of Estero Bay, with a high mountain chain—the Santa Lucia—between. There are many places in the district where the thermometric variations are even more sudden than at the station. The following table, compiled from Mr. Cruickshank's weather reports, will show some of the peculiarities of the climate. Especial attention is called to the great daily variation of temperature; also to the sudden changes in relative humidity. The greatest atmospheric dryness, in October and December, occurred when a north wind was blowing. The hygrometer was exposed on the north side of the house, so that the conditions were favorable to extreme indications, but in any case the record is an extraordinary one. So far as human sensations are concerned, this very atmospheric dryness serves to soften materially the impressions of the temperature variations.

Meteorological Table, Southern Coast Range Station.

| | January | February | March | April | May | June |
|--|------------------|-------------------|--------------------|------------------|-------------------|-------------------|
| Mean barometer*..... | 29.45 | 29.26 | 29.32 | 29.33 | 29.26 | 29.23 |
| Highest barometer..... | 29.65 | 29.65 | 29.52 | 29.49 | 29.39 | 29.41 |
| Lowest barometer..... | 29.20 | 28.40 | 28.38 | 29.11 | 29.10 | 29.10 |
| Monthly range..... | .45 | 1.25 | 1.14 | .38 | .29 | .31 |
| Mean temperature..... | 41.62 | 49.38 | 52.95 | 57.43 | 60.27 | 70.75 |
| Maximum temperature..... | 68.0 | 64.0 | 76.0 | 90.0 | 89.0 | 112.0 |
| Minimum temperature..... | 22.0 | 30.0 | 30.0 | 34.0 | 42.0 | 42.0 |
| Monthly range of temperature..... | 46.0 | 34.0 | 36.0 | 56.0 | 47.0 | 70.0 |
| Greatest daily variation of temperature..... | 38.0 | 28.0 | 44.0 | 47.0 | 43.0 | 52.0 |
| Least daily variation of temperature..... | 12.0 | 2.0 | 4.0 | 17.00 | 18.0 | 23.0 |
| Mean daily range of temperature..... | 26.0 | 17.50 | 23.19 | 28.73 | 26.38 | 38.86 |
| Rainfall..... | .55 | 7.29 | 2.36 | .77 | .07 | ..... |
| Mean relative humidity of month..... | 80.0 | 77.0 | 82.0 | 74.0 | 84.0 | 62.0 |
| Highest humidity..... | 86.0 | 86.0 | 85.0 | 97.0 | 90.0 | 87.0 |
| Lowest humidity..... | 50.0 | 69.0 | 74.0 | 43.0 | 64.0 | 36.0 |
| Monthly range of humidity..... | 36.0 | 17.0 | 11.0 | 54.0 | 26.0 | 51.0 |
| | July | August | September | October | November | December |
| Mean barometer*..... | 29.21 | 29.20 | 29.26 | 29.31 | 29.39 | 29.52 |
| Highest barometer..... | 29.30 | 29.30 | 29.40 | 29.42 | 29.58 | 29.80 |
| Lowest barometer..... | 29.13 | 29.12 | 29.10 | 29.10 | 29.25 | 29.10 |
| Monthly range..... | .17 | .18 | .30 | .32 | .28 | .70 |
| Mean temperature..... | 75.82 | 75.96 | 68.03 | 60.15 | 51.33 | 42.75 |
| Maximum temperature..... | 112.0 | 108.0 | 104.0 | 90.0 | 78.0 | 66.0 |
| Minimum temperature..... | 48.0 | 45.0 | 42.0 | 31.0 | 24.0 | 13.0 |
| Monthly range of temperature..... | 64.0 | 63.0 | 62.0 | 59.0 | 54.0 | 48.0 |
| Greatest daily variation of temperature..... | 54.0 | 53.0 | 48.0 | 50.0 | 45.0 | 38.0 |
| Least daily variation of temperature..... | 34.0 | 35.0 | 14.0 | 21.0 | 20.0 | 10.0 |
| Mean daily range of temperature..... | 45.0 | 45.41 | 36.16 | 35.93 | 34.66 | 22.86 |
| Rainfall..... | ..... | ..... | ..... | ..... | ..... | 3.06 |
| Mean relative humidity of month..... | 45.0 | 44.0 | 55.0 | 58.0 | 61.0 | 62.0 |
| Highest humidity..... | 80.0 | 66.0 | 90.0 | 89.0 | 88.0 | 93.0 |
| Lowest humidity..... | 32.0 | 26.0 | 24.0 | 12.0 | 38.0 | 13.0 |
| Monthly range of humidity..... | 48.0 | 40.0 | 66.0 | 77.0 | 50.0 | 80.0 |

* Actual readings of barometer, and not reduced to sea level.

SUMMARY OF THE WEATHER FOR 1891, AT SANTA BARBARA, CAL.

By PROF. HUGH D. VAIL.

The following synopsis of the weather for the year 1891 is compiled from daily observations of temperature as shown by a self-registering thermometer in my observatory, and the movement of the wind as measured by a Robinson anemometer:

| MONTH. | Mean Monthly Temperature | Mean Maximum Temperature | Mean Minimum Temperature | Rainfall, inches. | Hourly Movement of Wind, Miles | Relative Humidity | Clear Days | Fair Days | Cloudy Days |
|-----------|--------------------------|--------------------------|--------------------------|-------------------|--------------------------------|-------------------|------------|-----------|-------------|
| January | 54.4 | 61.5 | 47.5 | 0.45 | 3.4 | 59 | 28 | 3 | 0 |
| February | 52.6 | 59.2 | 47.5 | 7.92 | 4.5 | 74 | 15 | 5 | 8 |
| March | 56.6 | 64.5 | 50.0 | 1.56 | 4.6 | 71 | 22 | 4 | 5 |
| April | 56.3 | 62.8 | 51.2 | 1.57 | 4.1 | 75 | 22 | 3 | 5 |
| May | 59.0 | 63.0 | 55.7 | 0.30 | 3.8 | 76 | 10 | 4 | 17 |
| June | 62.5 | 70.5 | 56.2 | 0.00 | 4.3 | 72 | 24 | 5 | 1 |
| July | 67.0 | 78.2 | 61.5 | 0.00 | 3.8 | 78 | 21 | 6 | 4 |
| August | 69.1 | 78.5 | 63.0 | 0.00 | 3.5 | 75 | 26 | 3 | 2 |
| September | 69.3 | 77.5 | 63.0 | 0.15 | 3.5 | 69 | 23 | 4 | 3 |
| October | 63.0 | 72.5 | 58.2 | 0.00 | 3.0 | 75 | 17 | 8 | 6 |
| November | 58.8 | 65.5 | 53.0 | 0.00 | 2.6 | 70 | 22 | 5 | 8 |
| December | 51.9 | 61.5 | 43.5 | 2.43 | 4.7 | 61 | 24 | 4 | 3 |

The mean temperature of the year was 60°, differing by less than one tenth of a degree from the normal.

The highest temperature during the year was 96°, and lowest 33°. There were 36 days when the temperature rose above 80°, and 35 nights when it did not fall below 60°.

Of the 365 days in the year, 254 were clear, 54 fair, and 57 cloudy.

Rain fell on 20 days, with a rainfall of 14.38 inches, being 2.7 inches below the average. Between the 18th of April and the 4th of December, a period of 230 days, the entire rainfall was less than half an inch.

The mean velocity of the wind for the year was 3.8 miles per hour; the greatest for any one month 4.7 miles, in December, and the least, 2.6 miles, in November. The greatest movement of the wind in any one day was 276 miles, on the 2d of December, being an average velocity for the 24 hours of 11½ miles an hour. This movement of the wind at Santa Barbara will be better understood by a comparison with other well-known places, such as Philadelphia and Washington. At the former the mean annual velocity is 9.7 miles an hour, and the least monthly velocity is 7.6 miles an hour; at the latter 6.3 and 4.8, respectively.

The rainfall at Santa Barbara, for each month and season between July 1, 1867, and July 1, 1891, and also the monthly and annual means in twenty-four years:

| SEASON. | July. | August. | Septem-ber. | October. | Novem-ber. | Decem-ber. | Janu-ary. | Febru-ary. | March. | April. | May. | June. | For the Season. |
|---------|-------|-------------------|-------------|----------|------------|------------|-----------|------------|--------|--------|------|-------|-----------------|
| 1867-68 | 0.00 | 0.00 | 0.00 | 0.00 | 2.31 | 12.67 | 3.97 | 2.00 | 1.08 | 2.44 | 0.72 | 0.00 | 25.19 |
| 1868-69 | 0.00 | 0.00 | 0.00 | 0.00 | 1.25 | 4.28 | 3.26 | 2.12 | 4.22 | 0.46 | 0.20 | 0.00 | 16.77 |
| 1869-70 | 0.00 | 0.00 | 0.00 | 0.30 | 0.65 | 0.57 | 0.25 | 6.87 | 0.83 | 0.99 | 0.74 | 0.07 | 10.27 |
| 1870-71 | 0.00 | 0.00 | 0.00 | 1.04 | 0.27 | 1.41 | 0.86 | 2.92 | 0.02 | 2.02 | 0.37 | 0.00 | 8.91 |
| 1871-72 | 0.00 | 0.00 | 0.00 | 0.09 | 1.83 | 6.56 | 2.53 | 1.31 | 0.18 | 1.80 | 0.00 | 0.14 | 14.94 |
| 1872-73 | 0.00 | 0.02 | 0.06 | 0.00 | 0.00 | 4.34 | 0.58 | 5.48 | 0.05 | 0.00 | 0.00 | 0.00 | 10.52 |
| 1873-74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 5.26 | 4.54 | 3.17 | 0.78 | 0.28 | 0.14 | 0.00 | 14.44 |
| 1874-75 | 0.00 | 0.00 | 0.00 | 1.91 | 1.30 | 0.00 | 14.84 | 0.18 | 0.38 | 0.10 | 0.00 | 0.00 | 18.71 |
| 1875-76 | 0.00 | 0.00 | 0.00 | 0.00 | 6.53 | 0.31 | 7.56 | 5.67 | 2.73 | 0.27 | 0.00 | 0.00 | 23.07 |
| 1876-77 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.00 | 2.72 | 0.00 | 0.82 | 0.18 | 0.45 | 0.00 | 4.49 |
| 1877-78 | 0.00 | 0.00 | 0.00 | 0.00 | 1.32 | 3.12 | 7.17 | 11.73 | 2.47 | 3.84 | 0.29 | 0.07 | 29.51 |
| 1878-79 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 5.16 | 5.24 | 0.71 | 0.34 | 1.60 | 0.21 | 0.00 | 13.61 |
| 1879-80 | 0.00 | 0.00 | 0.00 | 0.41 | 1.62 | 4.57 | 1.30 | 10.86 | 1.15 | 5.73 | 0.00 | 0.00 | 26.65 |
| 1880-81 | 0.00 | 0.00 | 0.00 | 0.25 | 0.28 | 9.73 | 2.83 | 0.30 | 1.25 | 0.59 | 0.00 | 0.00 | 15.23 |
| 1881-82 | 0.00 | 0.00 | 0.44 | 1.47 | 0.33 | 0.95 | 1.13 | 2.33 | 5.74 | 1.63 | 0.00 | 0.20 | 14.27 |
| 1882-83 | 0.00 | 0.00 | 0.00 | 0.37 | 0.77 | 0.10 | 2.18 | 2.92 | 8.61 | 0.23 | 2.79 | 0.35 | 13.41 |
| 1883-84 | 0.00 | 0.00 | 0.00 | 1.32 | 0.00 | 2.76 | 6.33 | 9.63 | 9.77 | 2.60 | 0.39 | 1.62 | 34.47 |
| 1884-85 | 0.00 | 0.09 | 0.10 | 1.02 | 0.79 | 6.62 | 1.23 | 0.07 | 0.37 | 3.00 | 0.00 | 0.00 | 13.27 |
| 1885-86 | 0.00 | 0.19 | 0.00 | 0.19 | 9.84 | 2.47 | 6.12 | 1.19 | 2.03 | 3.40 | 0.00 | 0.00 | 24.24 |
| 1886-87 | 0.00 | 0.00 | 0.00 | 0.39 | 0.87 | 0.86 | 0.31 | 8.64 | 0.13 | 1.43 | 0.33 | 0.00 | 12.96 |
| 1887-88 | 0.00 | 0.00 | 0.33 | 0.33 | 1.10 | 4.43 | 10.15 | 1.30 | 3.86 | 0.16 | 0.02 | 0.00 | 21.73 |
| 1888-89 | 0.00 | 0.00 | 0.04 | 0.06 | 5.62 | 5.05 | 0.29 | 1.29 | 7.31 | 0.49 | 0.76 | 0.13 | 21.04 |
| 1889-90 | 0.00 | 0.00 | 0.00 | 8.69 | 8.21 | 10.64 | 5.32 | 2.93 | 1.10 | 0.31 | 0.18 | 0.06 | 32.47 |
| 1890-91 | 0.00 | 0.00 | 1.50 | 0.00 | 0.48 | 3.53 | 0.45 | 7.32 | 1.56 | 1.57 | 0.30 | 0.00 | 17.31 |
| Means | 0.00 | 0.00 ¹ | 0.10 | 0.77 | 1.69 | 3.97 | 3.76 | 3.80 | 2.16 | 1.45 | 0.83 | 0.11 | 18.14 |

This table shows an apparent increase in the annual rainfall, the amount recorded in the last twelve years being 30 per cent greater than in the first twelve.

WEATHER SUMMARY FOR 1891, AT LOS ANGELES, CAL.

The following is the weather record of Los Angeles for the year 1891, as summarized by George E. Franklin, of the United States Weather Bureau, from official data in his office. The normals are deduced from fourteen years' observations. The elevation at the base of the new Wilson building, in the upper part of which the weather office is located, is 279 feet, and the zero of the barometer scale is 330 feet above the level of the sea, which is eighteen miles distant:

January.—Mean temperature, 56°, 4° higher than normal; highest, 80°, 6° above normal; lowest, 34°, the same as normal. Rainfall, .25 of an inch, being 2.72 inches less than normal. Mean humidity, 48 per cent, 18 per cent less than normal; highest observed relative humidity, 93 per cent; least, 15 per cent. Prevailing wind, west; maximum velocity, 19 miles, from the northwest. Number of cloudless days, 18 (normal, 17); partly cloudy, 11 (normal, 8); cloudy, 2 (normal, 6); rainy, 1 (normal, 6). Light frosts occurred on the 1st, 6th, 8th, 9th, 10th, 11th, 12th, 13th, 29th, and 30th.

February.—Mean temperature, 53°, 1° less than the normal; highest, 71°, 8° below the normal; lowest, 33°, 3° less than normal. Rainfall, 8.56 inches, a departure of 5.19 inches in excess of normal. Mean humidity, 70 per cent, 1 per cent above normal; highest observed relative humidity, 99 per cent; least, 13 per cent. Prevailing wind, west; maximum velocity, 24 miles, from the east. Number of cloudless days, 10 (normal, 14); partly cloudy, 7 (normal, 9); cloudy, 11 (normal, 5); rainy, 12 (normal, 6). Light frost formed on the 9th and 10th.

March.—Mean temperature, 58°, 2° above normal; highest, 82°, same as normal; lowest, 40°, 1° above normal. Rainfall, .41 of an inch, 2.45 inches less than normal. Mean humidity, 70 per cent, 3 per cent below normal; highest observed relative humidity, 98 per cent; least, 23 per cent. Prevailing wind, west; maximum velocity, 24 miles, from the west. Number of cloudless days, 14 (normal, 12); partly cloudy, 10 (normal, 12); cloudy, 7 (normal, 7); rainy, 4 (normal, 7).

April.—Mean temperature, 59°, same as normal; highest, 86°, 1° less than normal; lowest, 42°, same as normal. Rainfall, 1.26 inches, .45 of an inch less than normal. Mean humidity, 72 per cent, 2 per cent below normal; highest observed relative humidity, 100 per cent; least, 29 per cent. Prevailing wind, west; maximum velocity, 16 miles, from the east. Number of cloudless days, 10 (normal, 11); partly cloudy, 13 (normal, 12); cloudy, 7 (normal, 7); rainy, 3 (normal, 6).

May.—Mean temperature, 62°, same as the normal; highest, 74°, a deficiency of 16°; lowest, 47°, 3° higher than normal. Rainfall, .31 of an inch, .07 of an inch less than normal. Mean humidity, 78 per cent, 6 per cent in excess of normal; highest observed relative humidity, 100 per cent; least, 54 per cent. Prevailing wind, west; maximum velocity, 18 miles, from the west. Number of cloudless days, 4 (normal, 11); partly cloudy, 20 (normal, 14); cloudy, 7 (normal, 6); rainy, 2 (normal, 3).

June.—Mean temperature, 66°, same as normal; highest, 89°, 3° less than normal; lowest, 49°, same as normal. No rainfall, a departure of .13 of an inch from the normal. Mean humidity, 73 per cent, 1 per cent in excess of normal; highest observed relative humidity, 100 per cent; least, 39 per cent. Prevailing wind, west; maximum velocity, 16 miles, from the west. Number of cloudless days, 15 (normal, 10);

partly cloudy, 14 (normal, 16); cloudy, 1 (normal, 4); rainy, 0 (normal, 1).

July.—Mean temperature, 74° , 5° above the normal; highest, 109° , 15° in excess of the normal, and the highest recorded July temperature, 99° being the highest heretofore; lowest, 54° , 2° above normal. A trace of rain fell, .03 of an inch less than normal. Mean humidity, 73 per cent, 1 per cent in excess of normal; highest observed relative humidity, 100 per cent; least, 35 per cent. Prevailing wind, west; maximum velocity, 15 miles, from the west. Number of cloudless days, 8 (normal, 14); partly cloudy, 23 (normal, 16); cloudy, 0 (normal, 1); rainy, 0 (normal, 0).

August.—Mean temperature, 75° , 5° above normal; highest, 96° , same as normal; lowest, 54° , 1° above normal. No rainfall; normal for the month, .03 of an inch. Mean humidity, 75 per cent, 3 per cent above normal; highest observed relative humidity, 100 per cent; least, 38 per cent. Prevailing wind, west; maximum velocity, 13 miles, from the west. Number of cloudless days, 9 (normal, 16); partly cloudy, 22 (normal, 14); cloudy, 0 (normal, 1); rainy, 0 (normal, 0).

September.—Mean temperature, 73° , 5° higher than normal; highest, 100° , 2° above normal; lowest, 52° , 2° above normal. Rainfall, .06 of an inch, .03 of an inch above normal. Mean humidity, 69 per cent, 3 per cent below normal; highest observed relative humidity, 100 per cent; least, 25 per cent. Prevailing wind, west; maximum velocity, 20 miles, from the northwest. Number of cloudless days, 17, same as normal; partly cloudy days, 13 (normal, 12); cloudy days, 0 (normal, 1); rainy days, 1 (normal, less than 1 day).

October.—Mean temperature, 66° , 3° above normal; highest, 89° , 3° less than normal; lowest, 46° , 2° higher than normal. No rainfall, a deficiency of .90 of an inch. Mean humidity, 75 per cent, 6 per cent above normal; greatest observed relative humidity, 100 per cent; least, 18 per cent. Prevailing wind, west; maximum velocity, 16 miles, from the west. Number of cloudless days, 10 (normal, 18); partly cloudy days, 20 (normal, 10); cloudy days, 1 (normal, 3); rainy days, 0 (normal, 3).

November.—Mean temperature, 61° , 2° above normal; highest, 85° , 1° degree above normal; lowest, 40° , 1° above normal. No rainfall, a deficiency of 1.48 inches. Mean humidity, 73 per cent, 11 per cent above normal; highest observed relative humidity, 100 per cent; least, 24 per cent. Prevailing winds, west; maximum velocity, 12 miles, from the west. Number of cloudless days, 20 (normal, 19); partly cloudy, 10 (normal, 8); cloudy days, 0 (normal, 3); rainy days, 0 (normal, 3).

December.—Mean temperature, 53° , 2° less than normal; highest, 75° , 4° lower than normal; lowest, 33° , 4° below normal. Rainfall, 1.99 inches, 2.32 inches less than normal. Mean relative humidity, 58 per cent, 10 per cent less than normal; highest observed relative humidity, 100 per cent; least, 15 per cent. Prevailing wind, north; maximum velocity, 28 miles, from the north. Number of cloudless days, 19 (normal, 17); partly cloudy, 9, same as normal; cloudy days, 3 (normal, 5); rainy days, 4 (normal 7). Light frosts occurred on 5th, 6th, 7th, 8th, 9th, 22d, 23d, 24th; killing frost occurred on 25th.

METEOROLOGICAL DATA FOR 1891, FROM VOLUNTARY OBSERVERS.

FOR JANUARY.

| STATION. | Elevation | Mean Tempera- ture | Highest Tempera- ture | Lowest Tempera- ture | Prevailing Wind | Monthly Precipi- tation | Observers. |
|-------------------|-----------|--------------------------|--------------------------|-------------------------|-----------------|----------------------------|------------------------|
| Arcata | 100 | | | | | 3.62 | D. W. Seaver. |
| Berkeley | 320 | 50 | 68 | 35 | N.E. | 1.13 | State University. |
| Colusa | | | | | | .79 | J. D. McNary. |
| Crescent City | 4 | | | | | 5.23 | D. S. Sartwell. |
| Evergreen | 280 | | | | | .58 | Simeon Holland. |
| Florin* | | 46 | 66 | 26 | S.E. | | Mrs. W. H. Robinson. |
| Fort Jones (near) | | 33 | 54 | 12 | N. | 2.90 | Isaac Titcomb. |
| Fort Ross | | | | | | .94 | Oscar Call. |
| Folsom | | | | | | .65 | J. H. Sturgis. |
| Grass Valley | | | | | | 1.54 | B. F. Berriman. |
| Grass Valley | | | | | | 1.35 | William Loutzenheiser. |
| Georgetown | 2,750 | 46 | 68 | 27 | | .06 | C. M. Fitzgerald. |
| Hydesville | 400 | 45 | 64 | 26 | | 3.32 | E. T. Foss. |
| Iowa Hill* | 2,825 | 47 | 72 | 30 | S. | 1.96 | C. F. Macy. |
| Jolon | | | | | | .55 | T. T. Tidball. |
| Lodi | 35 | 47 | 67 | 27 | N.W. | .44 | Ezra Fiske. |
| Los Gatos | 600 | 48 | 65 | 30 | | 1.10 | F. H. McCullagh. |
| Milton (near)* | 650 | 47 | 61 | 32 | | .59 | J. H. Southwick. |
| Nicolaus* | 40 | 49 | 72 | 29 | N. | .58 | Alvah Pendleton. |
| Newcastle | 966 | 48 | 64 | 30 | E. | .67 | C. H. Kellogg. |
| Napa City | 20 | 45 | 64 | 28 | N. | .79 | W. H. Martin. |
| Oakland | 36 | 47 | 77 | 30 | N.W. | .95 | Chabot Observatory. |
| Oleta | 1,510 | 43 | 64 | 27 | | 1.62 | Isaac Cooper. |
| Riverside | 850 | 49 | 78 | 26 | N.E. | .00 | W. E. Keith. |
| Susanville* | 4,192 | 32 | 50 | 4 | W. | 1.80 | T. B. Saunders. |
| Sonoma* | | | | | | 1.40 | Robert Hall. |
| Sutter Creek* | | 49 | 78 | 23 | | 5.79 | E. C. Voorhies. |
| Sacramento | 35 | 41 | 60 | 21 | S.E. | .57 | Samuel H. Gerrish. |
| Stockton | 23 | | | | | .29 | T. G. Brown. |
| Salinas* | | 47 | 71 | 32 | W. | .59 | Dr. E. K. Abbott. |
| Santa Cruz* | 25 | 40 | 68 | 28 | S.W. | .77 | W. R. Springer. |
| Santa Maria | 220 | 50 | 74 | 30 | W. | .63 | L. E. Blochman. |
| Santa Barbara | 30 | 54 | 77 | 35 | W. | .45 | Hugh D. Vail. |
| San Bernardino | 1,054 | 50 | 75 | 26 | | | Dr. A. K. Johnson. |
| San Buenaventura | | | | | | .40 | J. F. Newby. |
| Sweetwater Dam | 260 | 54 | 83 | 31 | N.E. | .62 | John E. Boal. |
| Turlock | 106 | | | | | .25 | P. R. McCabe. |
| Vacaville* | | 47 | 74 | 31 | | .79 | G. O. Coburn. |
| Willows | 186 | 48 | 69 | 27 | N. | .71 | A. W. Sehorn. |
| West Butte | 110 | | | | | .83 | A. S. Noyes. |
| Wheatland | 84 | 46 | 67 | 28 | | .52 | William Lumbard. |
| Woodland (near) | | | | | | 1.54 | R. H. Piatt. |

* Highest and lowest temperatures from observed readings, and not from self-registering instruments.

NOTE.—No rain gauge at Florin.

FOR FEBRUARY.

| STATION. | Elevation..... | Mean Tempera- ture..... | Highest Tempera- ture..... | Lowest Tempera- ture..... | Prevailing Wind..... | Monthly Precipi- tation..... | Observers. |
|------------------------|----------------|-------------------------------|-------------------------------|------------------------------|----------------------|---------------------------------|----------------------|
| Arcata | 100 | | | | | 10.07 | D. W. Seaver. |
| Berkeley | 320 | 49 | 63 | 35 | S. W. | 10.68 | State University. |
| Colusa | | | | | | 9.99 | J. D. McNary. |
| Crescent City | 4 | | | | S. | 20.55 | D. S. Sartwell. |
| Campo | | | | | | 13.30 | S. E. Gaskill. |
| Evergreen | 280 | | | | | 4.57 | Simeon Holland. |
| Florin * | | 48 | 68 | 25 | S. E. | | Mrs. W. H. Robinson. |
| Fort Jones | | 32 | 50 | 16 | N. | 9.13 | Isaac Titcomb. |
| Fort Ross | | | | | | 12.08 | Oscar Call. |
| Folsom | | | | | | 7.84 | J. H. Sturgis. |
| Grass Valley | | | | | | 13.70 | B. F. Berriman. |
| Grass Valley | | | | | | 11.43 | W. Loutzenheiser. |
| Georgetown | 2,750 | 39 | 55 | 24 | | 10.39 | C. M. Fitzgerald. |
| Hydesville | 400 | 44 | 66 | 24 | | 9.91 | E. T. Foss. |
| Iowa Hill * | 2,825 | 42 | 59 | 29 | S. | 15.52 | C. F. Macy. |
| Jolon | | | | | | 8.75 | T. T. Tidball. |
| Lodi | 35 | 49 | 64 | 32 | N. W. | 5.03 | Ezra Fiske. |
| Los Gatos | 900 | 48 | 63 | 32 | | 17.50 | F. H. McCullagh. |
| Milton (near) * | 850 | 49 | 62 | 34 | | 2.71 | J. H. Southwick. |
| Nicolaus * | 40 | 48 | 70 | 27 | S. | 7.99 | Alvah Pendleton. |
| Newcastle | 966 | 47 | 66 | 34 | S. | 5.97 | C. H. Kellogg. |
| Napa City | 20 | 46 | 63 | 31 | N. | 8.70 | W. H. Martin. |
| Oakland | 88 | 48 | 65 | 32 | N. W. | 11.37 | Chabot Observatory. |
| Oleta | 1,510 | 45 | 60 | 26 | | 6.68 | Isaac Cooper. |
| Palermo | 185 | 48 | 67 | 27 | | 10.63 | G. W. Smith. |
| Riverside | 850 | 48 | 70 | 26 | E. | 5.92 | W. E. Keith. |
| Susanville * | 4,192 | 52 | 50 | 8 | | 11.85 | T. B. Saunders. |
| Sonoma * | | | | | | 10.03 | Robert Hall. |
| Sutter Creek * | | 47 | 70 | 23 | | 6.20 | E. C. Voorhies. |
| Sacramento | 35 | 44 | 66 | 22 | S. E. | 7.62 | S. H. Gerrish. |
| Stockton | 23 | | | | | 2.85 | T. G. Brown. |
| Salinas * | | 49 | 68 | 31 | W. | 4.40 | Dr. E. K. Abbott. |
| Santa Cruz * | 25 | 47 | 62 | 32 | S. E. | 10.68 | W. R. Springer. |
| Santa Maria | 220 | 48 | 68 | 28 | W. | 3.52 | L. E. Blochman. |
| Santa Barbara | 30 | 53 | 70 | 36 | W. | 7.92 | Hugh D. Vail. |
| San Bernardino | 1,064 | 49 | 72 | 24 | | | Dr. A. K. Johnson. |
| San Buenaventura | | | | | | 7.44 | J. F. Newby. |
| Sweetwater Dam | 260 | 53 | 71 | 33 | N. W. | 5.33 | John E. Boal. |
| Turlock | 106 | | | | | 2.56 | P. R. McCabe. |
| Vacaville * | | 49 | 62 | 33 | | 12.93 | G. O. Coburn. |
| Willows | 136 | 48 | 66 | 29 | S. | 7.87 | A. W. Sehorn. |
| West Butte | 110 | | | | | 10.47 | A. S. Noyes. |
| Wheatland | 84 | 52 | 62 | 24 | | 5.72 | W. Lumbard. |
| Woodland (near) | | | | | | 7.53 | R. H. Piatt. |

* Highest and lowest temperatures from observed readings, and not from self-registering instruments.

NOTE.—No rain gauge at Florin.

FOR MARCH.

| STATION. | Elevation | Mean Temperature | Highest Temperature | Lowest Temperature | Prevailing Wind | Monthly Precipitation | Observers. |
|------------------|-----------|------------------|---------------------|--------------------|-----------------|-----------------------|----------------------|
| Arcata | 100 | | | | | 7.13 | D. W. Beaver. |
| Berkeley | 820 | 52 | 70 | 40 | S. W. | 3.17 | State University. |
| Colusa | | | | | | .39 | J. D. McNary. |
| Crescent City | 4 | | | | N. W. | 8.14 | D. S. Sartwell. |
| Campo | | | | | | .50 | S. E. Gaskill. |
| Evergreen | 280 | | | | | 2.18 | Simeon Holland. |
| Florin* | | 56 | 78 | 32 | N. W. | | Mrs. W. H. Robinson. |
| Fort Jones | | 40 | 62 | 22 | N. | 2.15 | Isaac Titcomb. |
| Fort Ross | | | | | | 2.11 | Oscar Call. |
| Folsom | | | | | | 2.99 | J. H. Sturgis. |
| Grass Valley | | | | | | 6.32 | B. F. Berriman. |
| Grass Valley | | | | | | 6.10 | W. Loutzenheiser. |
| Georgetown | 2,750 | 48 | 73 | 25 | | 10.00 | C. M. Fitzgerald. |
| Hydesville | 400 | 50 | 66 | 31 | | 5.26 | E. T. Foss. |
| Iowa Hill* | 2,825 | 49 | 77 | 29 | S. | 8.28 | C. F. Macy. |
| Jolon | | | | | | .99 | T. T. Tidball. |
| Lodi | 35 | 57 | 76 | 33 | N. W. | 3.52 | Ezra Fiske. |
| Los Gatos | 600 | 52 | 72 | 35 | | 4.65 | F. H. McCullagh. |
| Milton (near)* | 650 | 54 | 70 | 38 | | 3.55 | J. H. Southwick. |
| Nicolaus* | 40 | 58 | 74 | 40 | S. | 1.16 | Alvah Pendleton. |
| Newcastle | 966 | 55 | 76 | 34 | S. | 5.59 | C. H. Kellogg. |
| Napa City | 20 | 53 | 73 | 35 | S. | 1.20 | W. H. Martin. |
| Oakland | 36 | 55 | 75 | 35 | N. W. | 3.10 | Chabot Observatory. |
| Oleta | 1,510 | 51 | 68 | 29 | | 6.47 | Isaac Cooper. |
| Palermo | 185 | 55 | 75 | 35 | | 1.81 | G. W. Smith. |
| Riverside | 850 | 54 | 84 | 32 | W. | .28 | W. E. Keith. |
| Susanville* | 4,192 | 43 | 60 | 12 | | 3.80 | T. B. Saunders. |
| Sonoma* | | | | | | 2.43 | Robert Hall. |
| Sutter Creek* | | 58 | 78 | 29 | | 4.87 | E. C. Voorhies. |
| Sacramento | 35 | 48 | 73 | 31 | N. W. | 1.87 | S. H. Gerrish. |
| Stockton | 23 | | | | | 1.33 | T. G. Brown. |
| Salinas* | | 51 | 78 | 34 | W. | .48 | Dr. E. K. Abbott. |
| Santa Cruz* | 25 | 55 | 72 | 34 | S. W. | 1.86 | W. R. Springer. |
| Santa Maria | 220 | 52 | 78 | 31 | | .71 | L. E. Blochman. |
| Santa Barbara | 30 | 57 | 78 | 39 | W. | 1.56 | Hugh D. Vail. |
| San Bernardino | 1,054 | 58 | 81 | 32 | | | Dr. A. K. Johnson. |
| San Buenaventura | | | | | | 2.97 | J. F. Newby. |
| Sweetwater Dam | 260 | 57 | 81 | 41 | W. | .23 | John E. Boal. |
| Turlock | 106 | | | | | 1.72 | P. R. McCabe. |
| Vacaville* | | 56 | 78 | 40 | | .57 | G. G. Coburn. |
| Willows | 136 | 55 | 76 | 35 | N. | .95 | A. W. Sehorn. |
| West Butte | 110 | | | | | .46 | A. S. Noyes. |
| Wheatland | 84 | 54 | 76 | 34 | | 1.41 | W. Lumbard. |
| Woodland (near) | | | | | | .71 | R. H. Platt. |

*Highest and lowest temperatures from observed readings, and not from self-registering instruments.

NOTE.—No rain gauge at Florin.

FOR APRIL.

| STATION. | Elevation | Mean Temperature | Highest Temperature | Lowest Temperature | Prevailing Wind | Monthly Precipitation | Observers. |
|------------------|-----------|------------------|---------------------|--------------------|-----------------|-----------------------|----------------------|
| Arcata | 100 | | | | | 6.88 | D. W. Seaver. |
| Berkeley | 320 | 52 | 79 | 41 | S. | 3.42 | State University. |
| Colusa | | | | | | 1.87 | J. D. McNary. |
| Crescent City | 4 | | | | S. | 9.88 | D. S. Sartwell. |
| Campo | | | | | | 1.20 | S. E. Gaskill. |
| Evergreen | 280 | | | | | 1.98 | Simeon Holland. |
| Florin* | | 59 | 88 | 40 | S. | | Mrs. W. H. Robinson. |
| Fort Jones | | 45 | 74 | 28 | N. | 1.23 | Isaac Titcomb. |
| Fort Ross | | | | | | 5.64 | Oscar Call. |
| Folsom | | | | | | 1.89 | J. H. Sturgis. |
| Grass Valley | | | | | | 2.98 | B. F. Berriman. |
| Grass Valley | | | | | | 2.51 | W. Loutzenheiser. |
| Georgetown | 2,750 | 51 | 77 | 32 | | | C. M. Fitzgerald. |
| Hydesville | 400 | 52 | 78 | 34 | | 5.01 | E. T. Foss. |
| Iowa Hill* | 2,825 | 53 | 85 | 35 | S. | 4.20 | C. F. Macy. |
| Jolon | | | | | | .94 | T. T. Tidball. |
| Lodi | 35 | 59 | 84 | 38 | W. | 2.45 | Ezra Fiske. |
| Los Gatos | 600 | 54 | 82 | 38 | | 3.15 | F. H. McCullagh. |
| Milton (near)* | 650 | 58 | 82 | 41 | | 2.70 | J. H. Southwick. |
| Nicolaus* | 40 | 58 | 86 | 41 | S.W. | 1.58 | Alvah Pendleton. |
| Newcastle | 956 | 59 | 89 | 40 | S. | 1.91 | C. H. Kellogg. |
| Napa City | 20 | 53 | 77 | 35 | S. | 2.95 | W. H. Martin. |
| Oakland | 86 | 55 | 80 | 40 | S.W. | 2.77 | Chabot Observatory. |
| Oleta | 1,510 | 39 | 73 | 35 | | 3.88 | Isaac Cooper. |
| Palermo | 185 | 59 | 87 | 40 | | 1.41 | G. W. Smith. |
| Riverside | 850 | 58 | 92 | 37 | | 1.04 | W. E. Keith. |
| Susanville* | 4,192 | 46 | 73 | 31 | | .75 | T. B. Saunders. |
| Sonoma* | | | | | | 2.71 | Robert Hall. |
| Sutter Creek* | | 55 | 81 | 31 | | 3.43 | E. C. Voorhies. |
| Sacramento | 35 | 54 | 80 | 36 | S. | 1.75 | S. H. Gerriah. |
| Stockton | 28 | | | | | 1.24 | T. G. Brown. |
| Salinas* | | 53 | 78 | 42 | W. | 2.53 | Dr. E. K. Abbott. |
| Santa Cruz* | 25 | 55 | 78 | 36 | S.W. | 2.57 | W. R. Springer. |
| Santa Maria | 220 | 54 | 80 | 34 | | 1.58 | L. E. Blochman. |
| Santa Barbara | 30 | 55 | 78 | 42 | W. | 1.57 | Hugh D. Vail. |
| San Bernardino | 1,064 | 60 | 90 | 34 | | | Dr. A. K. Johnson. |
| San Buenaventura | | | | | | .95 | J. F. Newby. |
| Sweetwater Dam | 280 | 59 | 83 | 40 | W. | 1.27 | John E. Boal. |
| Turlock | 106 | | | | | 1.60 | P. R. McCabe. |
| Vacaville* | | 58 | 80 | 43 | | 2.13 | G. O. Coburn. |
| Willows | 136 | 60 | 82 | 38 | S. | 1.27 | A. W. Behorn. |
| West Butte | 110 | | | | | 1.62 | A. S. Noyes. |
| Wheatland | 84 | 56 | 88 | 41 | | 1.72 | W. Lumbard. |
| Woodland (near) | | | | | | 1.58 | R. H. Piatt. |

* Highest and lowest temperatures from observed readings, and not from self-registering instruments.

NOTE.—No rain gauge at Florin.

FOR MAY.

| STATION. | Elevation | Mean Temperature | Highest Temperature | Lowest Temperature | Prevailing Wind | Monthly Precipitation | Observer. |
|------------------|-----------|------------------|---------------------|--------------------|-----------------|-----------------------|----------------------|
| Arcata | 100 | | | | | .75 | D. W. Seaver. |
| Berkeley | 320 | 56 | 78 | 47 | S.W. | 1.60 | State University. |
| Colusa | | | | | | .89 | J. D. McNary. |
| Crescent City | 4 | | | | N.W. | 5.47 | D. S. Sartwell. |
| Campo | | | | | | .75 | S. E. Gaskill. |
| Evergreen | 280 | | | | | .55 | Simeon Holland. |
| Florin* | | 64 | 93 | 48 | S. | | Mrs. W. H. Robinson. |
| Fort Jones | | 54 | 79 | 32 | S. | 3.28 | Isaac Titcomb. |
| Fort Ross | | | | | | 1.43 | Oscar Call. |
| Folsom | | | | | | 1.58 | J. H. Sturgis. |
| Grass Valley | | | | | | 2.06 | B. F. Berriman. |
| Grass Valley | | | | | | 1.89 | W. Loutzenheiser. |
| Georgetown | 2,750 | 58 | 83 | 38 | | 2.71 | C. M. Fitzgerald. |
| Hydesville | 400 | 55 | 77 | 40 | | 2.19 | E. T. Foss. |
| Iowa Hill* | 2,825 | 59 | 85 | 46 | S. | 2.03 | C. F. Macy. |
| Lodi | 85 | 62 | 90 | 46 | S.W. | .34 | Ezra Fiske. |
| Los Gatos | 600 | 59 | 86 | 42 | | .52 | F. H. McCullagh. |
| Milton (near)* | 650 | 65 | 83 | 59 | | .37 | J. H. Southwick. |
| Nicolaus* | 40 | 66 | 89 | 50 | S. | .91 | Alvah Pendleton. |
| Newcastle | 956 | 66 | 94 | 44 | S. | 1.22 | C. H. Kellogg. |
| Napa City | 20 | 57 | 79 | 42 | S.W. | 1.39 | W. H. Martin. |
| Oakland | 38 | 57 | 75 | 45 | S.W. | 1.60 | Chabot Observatory. |
| Oleta | 1,510 | 62 | 85 | 45 | | .61 | Isaac Cooper. |
| Palermo | 185 | 67 | 93 | 46 | | | G. W. Smith. |
| Riverside | 850 | 60 | 89 | 41 | W. | .53 | W. E. Keith. |
| Susanville* | 4,192 | 57 | 78 | 44 | | 2.41 | T. B. Saunders. |
| Sonoma* | | | | | | 1.46 | Robert Hall. |
| Sutter Creek* | | 57 | 84 | 38 | | .47 | E. C. Voorhies. |
| Sacramento | 35 | 59 | 86 | 43 | S. | .66 | S. H. Gerrish. |
| Stockton | 23 | | | | | .44 | T. G. Brown. |
| Salinas* | | 57 | 70 | 58 | W. | .33 | E. K. Abbott, M.D. |
| Santa Cruz* | 25 | 58 | 73 | 42 | N.W. | .60 | W. R. Springer. |
| Santa Maria | 220 | 57 | 78 | 41 | | .20 | L. E. Blochman. |
| Santa Barbara | 30 | 59 | 74 | 46 | W. | .30 | Prof. H. D. Vail. |
| San Buenaventura | | | | | | .41 | J. F. Newby. |
| San Bernardino | 1,064 | 63 | 86 | 43 | | | A. K. Johnson, M.D. |
| Sweetwater Dam | 280 | 61 | 73 | 51 | S.W. | .83 | John E. Boal. |
| Vacaville* | | 66 | 92 | 53 | | .67 | G. O. Coburn. |
| Willows | 136 | 68 | 91 | 45 | S. | 2.70 | A. W. Sehorn. |
| West Butte | 110 | | | | | .87 | A. S. Noyes. |
| Wheatland | 84 | 64 | 92 | 46 | | 2.10 | W. Lumbard. |
| Woodland (near) | | | | | | .76 | R. H. Piatt. |

* Highest and lowest temperatures from observed readings, and not from self-registering instruments.

NOTE.—No rain gauge at Florin.

FOR JUNE.

| STATION. | Elevation | Mean Temperature | Highest Temperature | Lowest Temperature | Prevailing Wind | Monthly Precipitation | Observers. |
|----------------|-----------|------------------|---------------------|--------------------|-----------------|-----------------------|----------------------|
| Berkeley | 320 | 62 | 101 | 46 | S.W. | 3.58 | State University. |
| Crescent City | 4 | | | | N.W. | 4.20 | D. S. Sartwell. |
| Evergreen | 280 | | | | | .07 | Simeon Holland. |
| Florin* | | 71 | 109 | 42 | S. | | Mrs. W. H. Robinson. |
| Fort Jones | | 55 | 94 | 34 | N. | .99 | Isaac Titcomb. |
| Fort Ross | | | | | | 1.07 | Oscar Call. |
| Folsom | | | | | | .42 | J. H. Sturgis. |
| Grass Valley | | | | | | 1.27 | B. F. Berriman. |
| Grass Valley | | | | | | 1.05 | W. Loutzenheiser. |
| Georgetown | 2,750 | 62 | 99 | 38 | | 2.22 | C. M. Fitzgerald. |
| Hydesville | 400 | 58 | 81 | 38 | | 1.45 | E. T. Foss. |
| Iowa Hill* | 2,825 | 68 | 102 | 52 | S.W. | 2.13 | C. F. Macy. |
| Lodi | 35 | 70 | 108 | 44 | N.W. | .14 | Ezra Fiske. |
| Los Gatos | 600 | 64 | 100 | 42 | | .11 | F. H. McCullagh. |
| Milton (near)* | 650 | 76 | 112 | 53 | | .22 | J. H. Southwick. |
| Nicolaus* | 40 | 69 | 104 | 54 | S. | .17 | Alvah Pendleton. |
| Newcastle | 956 | 70 | 110 | 44 | S. | 1.21 | C. H. Kellogg. |
| Napa City | 20 | 63 | 97 | 43 | S.W. | .13 | W. H. Martin. |
| Oakland | 36 | 62 | 99 | 45 | N.W. | .11 | Chabot Observatory. |
| Oleta | 1,510 | 69 | 98 | 45 | | .75 | Isaac Cooper. |
| Palermo | 185 | 69 | 107 | 49 | | | G. W. Smith. |
| Riverside | 850 | 68 | 102 | 47 | W. | .00 | W. E. Keith. |
| Susanville* | 4,192 | 61 | 89 | 48 | | 1.65 | T. B. Saunders. |
| Sonoma* | | | | | | .18 | Robert Hall. |
| Sutter Creek* | | 62 | 98 | 37 | | .45 | E. C. Voorhies. |
| Sacramento | 35 | 68 | 98 | 42 | S. | .08 | S. H. Gerrish. |
| Stockton | 23 | | | | | .02 | T. G. Brown. |
| Salinas* | | 59 | 87 | 48 | W. | .00 | E. K. Abbott, M.D. |
| Santa Cruz* | 25 | 62 | 92 | 42 | N.W. | .10 | W. R. Springer. |
| Santa Maria | 220 | 60 | 85 | 39 | | .00 | L. E. Blochman. |
| Santa Barbara | 80 | 62 | 84 | 47 | E. | .00 | Prof. H. D. Vail. |
| San Bernardino | 1,064 | 69 | 101 | 45 | | | A. K. Johnson, M.D. |
| Sweetwater Dam | 230 | 65 | 90 | 50 | S.W. | .09 | John E. Boal. |
| Vacaville* | | 73 | 112 | 54 | | .17 | G. O. Coburn. |
| Willows | 186 | 79 | 108 | 49 | N. | .25 | A. W. Sehorn. |
| Wheatland | 84 | 71 | 112 | 49 | | .16 | W. Lumbard. |
| Woodland | | | | | | .13 | R. H. Piatt. |

* Highest and lowest temperatures from observed readings, and not from self-registering instruments.

NOTE.—No rain gauge at Florin.

FOR JULY.

| STATION. | Elevation | Mean Temperature | Highest Temperature | Lowest Temperature | Prevailing Wind | Monthly Precipitation | Observers. |
|-------------------|-----------|------------------|---------------------|--------------------|-----------------|-----------------------|----------------------|
| Berkeley | 320 | 62 | 88 | 49 | S.W. | .44 | State University. |
| Colusa | | | | | | .07 | J. D. McNary. |
| Crescent City | 4 | | | | N.W. | .71 | D. S. Sartwell. |
| Florin* | | 80 | 109 | 55 | S. | | Mrs. W. H. Robinson. |
| Fort Jones (near) | | 66 | 96 | 41 | S. | .22 | Isaac Titcomb. |
| Fort Ross | | | | | | 1.30 | Oscar Call. |
| Folsom | | | | | | .08 | J. H. Sturgis. |
| Grass Valley | | | | | | .75 | B. F. Berriman. |
| Grass Valley | | | | | | .64 | W. Loutzenheiser. |
| Georgetown | 2,750 | 75 | 90 | 48 | | .42 | C. M. Fitzgerald. |
| Hydesville | 400 | 60 | 82 | 43 | | .21 | E. T. Foss. |
| Iowa Hill* | 2,825 | 76 | 100 | 55 | N. | .83 | C. F. Macy. |
| Lodi | 35 | 77 | 107 | 52 | W. | .00 | Ezra Fiske. |
| Los Gatos | 600 | 70 | 102 | 45 | | .00 | F. H. McCullagh. |
| Milton (near)* | 650 | 83 | 112 | 53 | | .00 | J. H. Southwick. |
| Nicolaus* | 40 | 79 | 104 | 58 | S. | .09 | Alvah Pendleton. |
| Newcastle | 956 | 81 | 110 | 50 | E. | .34 | C. H. Kellogg. |
| Napa City | 20 | 65 | 91 | 46 | S.W. | .18 | W. H. Martin. |
| Oakland | 36 | 62 | 89 | 47 | N.W. | .15 | Chabot Observatory. |
| Orangevale | | 81 | 115 | 52 | | .00 | W. H. Edwards. |
| Oleta | 1,510 | 78 | 99 | 51 | | .00 | Isaac Cooper. |
| Palermo | 185 | 81 | 105 | 52 | | | G. W. Smith. |
| Riverside | 850 | 76 | 112 | 50 | W. | trace. | W. E. Keith. |
| Susanville* | 4,192 | 75 | 93 | 48 | | .55 | T. B. Saunders. |
| Sonoma* | | | | | | .28 | Robert Hall. |
| Sutter Creek* | | 71 | 98 | 41 | | .00 | E. C. Voorhies. |
| Sacramento | 35 | 71 | 97 | 48 | S. | trace. | S. H. Gerrish. |
| Salinas* | | 61 | 84 | 54 | W. | .00 | E. K. Abbott, M.D. |
| Santa Cruz* | 25 | 64 | 92 | 48 | N. | .00 | W. R. Springer. |
| Santa Maria | 220 | 63 | 84 | 44 | | .00 | L. E. Blochman. |
| Santa Barbara | 30 | 67 | 96 | 54 | E. | .00 | Prof. H. D. Vail. |
| San Bernardino | 1,054 | 77 | 106 | 47 | | | A. K. Johnson, M.D. |
| Sweetwater Dam | 260 | 71 | 98 | 55 | S.W. | .00 | John E. Boal. |
| Vacaville* | | 76 | 110 | 56 | | .00 | G. O. Coburn. |
| Willows | 136 | 80 | 107 | 53 | N. | .02 | A. W. Sehorn. |
| Wheatland | 84 | 79 | 109 | 51 | | .08 | W. Lombard. |

* Highest and lowest temperatures from observed readings, and not from self-registering instruments.

NOTE.—No rain gauge at Florin.

FOR AUGUST.

| STATION. | Elevation | Mean Temperature | Highest Temperature | Lowest Temperature | Prevailing Wind | Monthly Precipitation | Observers. |
|-------------------|-----------|------------------|---------------------|--------------------|-----------------|-----------------------|----------------------|
| Berkeley | 320 | 63 | 93 | 57 | S.W. | .00 | State University. |
| Crescent City | 4 | | | | S. | .24 | D. S. Sartwell. |
| Campo | | | | | | 13.50 | S. E. Gaskill. |
| Florin * | | 79 | 107 | 59 | S. | | Mrs. W. H. Robinson. |
| Fort Jones (near) | | 67 | 96 | 43 | S. | .40 | Isaac Titcomb. |
| Folsom | | | | | | trace | J. H. Sturgis. |
| Georgetown | 2,750 | 76 | 100 | 50 | | .00 | C. M. Fitzgerald. |
| Hydesville | 400 | 61 | 87 | 44 | | .00 | E. T. Foss. |
| Iowa Hill * | 2,825 | 78 | 102 | 59 | N.E. | .00 | C. F. Macy. |
| Lodi | 35 | 78 | 105 | 54 | W. | .00 | Ezra Fiske. |
| Los Gatos | 600 | 69 | 101 | 47 | | .00 | F. H. McCullagh. |
| Milton (near) * | 650 | 86 | 109 | 60 | | .00 | J. H. Southwick. |
| Nicolaus * | 40 | 78 | 101 | 58 | S.W. | .00 | Alvah Pendleton. |
| Newcastle | 956 | 81 | 106 | 54 | S. | .00 | C. H. Kellogg. |
| Napa City | 20 | 66 | 97 | 48 | S.W. | trace | W. H. Martin. |
| Needles | 491 | 95 | 112 | 79 | | .62 | A. P. Aldrich. |
| Oakland | 36 | 62 | 99 | 48 | S.W. | .00 | Chabot Observatory. |
| Orangevale | | 80 | 108 | 54 | | .00 | W. H. Edwards. |
| Oleta | 1,510 | 71 | 99 | 52 | W. | trace | Isaac Cooper. |
| Palermo | 185 | 77 | 106 | 54 | | | G. W. Smith. |
| Riverside | 850 | 78 | 104 | 52 | W. | .05 | W. E. Keith. |
| Susanville * | 4,192 | 71 | 93 | 48 | | .00 | T. B. Saunders. |
| Sonoma * | | | | | | .04 | Robert Hall. |
| Sutter Creek * | | 70 | 96 | 45 | | .00 | E. C. Voorhies. |
| Sacramento | 35 | 69 | 95 | 45 | S. | .00 | S. H. Gerrish. |
| Salinas * | | 61 | 85 | 53 | W. | .00 | Dr. E. K. Abbott. |
| Santa Cruz * | 25 | 65 | 100 | 46 | N. | .00 | W. R. Springer. |
| Santa Maria | 220 | 64 | 98 | 45 | | .00 | L. E. Blochman. |
| Santa Barbara | 80 | 69 | 88 | 55 | W. | .00 | Prof. H. D. Vail. |
| San Bernardino | 1,054 | 78 | 102 | 51 | | | A. K. Johnson, M.D. |
| Sweetwater Dam | 260 | 74 | 98 | 57 | S.W. | .03 | John E. Boal. |
| Vacaville * | | 81 | 108 | 63 | | .00 | G. O. Coburn. |
| Willows | 136 | 81 | 108 | 53 | S. | .00 | A. W. Sehorn. |
| Wheatland | 84 | 79 | 107 | 55 | | .00 | W. Lumbard. |

* Highest and lowest temperatures from observed readings, and not from self-registering instruments.

NOTE.—The extremely heavy rainfall at Campo occurred on August 12th to 14th, when a cloudburst nearly swept the city or town away, and did succeed in carrying the rain gauge from its position, thereby losing a portion of the rainfall.

No rain gauge at Florin.

FOR SEPTEMBER.

| STATION. | Elevation | Mean Temperature | Highest Temperature | Lowest Temperature | Prevailing Wind | Monthly Precipitation | Observers. |
|-------------------|-----------|------------------|---------------------|--------------------|-----------------|-----------------------|----------------------|
| Arcata | 100 | | | | | 1.67 | D. W. Seaver. |
| Berkeley | 320 | 61 | 85 | 48 | S.W. | .74 | State University. |
| Crescent City | 4 | | | | S. | 2.96 | D. S. Sartwell. |
| Citrus | | 68 | 103 | 43 | N.W. | .07 | J. F. Beale. |
| Evergreen | 280 | | | | | .35 | Simeon Holland. |
| Florin* | | 70 | 101 | 53 | S. | | Mrs. W. H. Robinson. |
| Fort Jones (near) | | 56 | 90 | 36 | N. | 1.18 | Isaac Titcomb. |
| Fort Ross | | | | | | 1.47 | Oscar Call. |
| Folsom | | | | | | .05 | J. H. Sturgis. |
| Grass Valley | | | | | | .21 | B. F. Berriman. |
| Grass Valley | | | | | | .22 | W. Loutzenheiser. |
| Georgetown | 2,750 | 67 | 94 | 40 | | .00 | C. M. Fitzgerald. |
| Hydesville | 400 | 67 | 76 | 40 | | .77 | E. T. Foss. |
| Iowa Hill* | 2,825 | 67 | 96 | 45 | S. N. | .30 | C. F. Macy. |
| Lodi | 35 | 71 | 100 | 46 | W. | .16 | Ezra Fiske. |
| Los Gatos | 600 | 64 | 88 | 42 | | .48 | F. H. McCullagh. |
| Milton (near)* | 650 | 73 | 98 | 47 | | .23 | J. H. Southwick. |
| Nicolaus* | 40 | 68 | 95 | 51 | S. | .05 | Alvah Pendleton. |
| Newcastle | 966 | 72 | 104 | 44 | S. | trace | C. H. Kellogg. |
| Napa City | 20 | 63 | 85 | 44 | S.W. | .85 | W. H. Martin. |
| Needles | 491 | 86 | 100 | 71 | | .08 | H. P. Aldrich. |
| Oakland | 36 | 62 | 86 | 46 | S.W. | .37 | Chabot Observatory. |
| Orangevale | | 70 | 102 | 40 | | .00 | W. H. Edwards. |
| Oleta | 1,510 | 65 | 96 | 43 | N.W. | .15 | Isaac Cooper. |
| Palermo | 185 | 73 | 96 | 44 | | .16 | G. W. Smith. |
| Riverside | 850 | 70 | 106 | 45 | W. | .13 | W. E. Keith. |
| Susanville* | 4,192 | 65 | 88 | 37 | | .65 | T. B. Saunders. |
| Sonoma* | | | | | | .23 | Robert Hall. |
| Sutter Creek* | | 64 | 90 | 33 | | .27 | E. C. Voorhies. |
| Sacramento | 35 | 62 | 90 | 44 | S. | .07 | S. H. Gerrish. |
| Stockton | 23 | | | | | .14 | T. G. Brown. |
| Salinas* | | 61 | 84 | 44 | W. | .12 | E. K. Abbott, M.D. |
| Santa Cruz* | 25 | 62 | 92 | 39 | N. | .70 | W. R. Springer. |
| Santa Maria | 220 | 63 | 90 | 36 | | .03 | L. E. Blochman. |
| Santa Barbara | 30 | 69 | 90 | 51 | W. | .15 | Prof. H. D. Vail. |
| San Buenaventura | | | | | | .98 | J. F. Newbvy. |
| San Bernardino | 1,064 | 71 | 100 | 47 | | | A. K. Johnson, M.D. |
| Sweetwater Dam | 260 | 72 | 95 | 51 | S.W. | .04 | John E. Boal. |
| Turlock | 106 | | | | N.W. | .25 | P. R. McCabe. |
| Vacaville* | | 71 | 101 | 56 | | .50 | G. O. Coburn. |
| Willows | 136 | 75 | 100 | 49 | N. | .07 | A. W. Sehorn. |
| West Butte | 110 | | | | | .24 | A. S. Noyes. |
| Wheatland | 84 | 71 | 104 | 49 | | .02 | W. Lombard. |
| Woodland | | | | | | .10 | R. H. Piatt. |

* Highest and lowest temperatures from observed readings, and not from self-registering instruments.

NOTE.—No rain gauge at Florin.

FOR OCTOBER.

| STATION. | Elevation | Mean Temperature | Highest Temperature | Lowest Temperature | Prevailing Wind | Monthly Precipitation | Observers. |
|--------------------|-----------|------------------|---------------------|--------------------|-----------------|-----------------------|----------------------|
| Arcata | 100 | | | | | 1.82 | D. W. Seaver. |
| Berkeley | 320 | 58 | 82 | 46 | S.W. | 1.95 | State University. |
| Bakersfield (near) | 330 | 63 | 88 | 31 | N.W. | .00 | W. A. Webster. |
| Crescent City | 4 | | | | S. | 4.12 | D. S. Sartwell. |
| Citrus | | 64 | 90 | 42 | S. | .10 | J. F. Beale. |
| Evergreen | 280 | | | | | .20 | Simion Holland. |
| Florin* | | 65 | 90 | 38 | N.W. | .00 | Mrs. W. H. Robinson. |
| Fort Jones | | 51 | 78 | 30 | S. | 1.89 | Isaac Titcomb. |
| Fort Ross | | | | | | 2.21 | Oscar Call. |
| Folsom | | | | | | .23 | J. H. Sturgis. |
| Grass Valley | | | | | | 1.00 | B. F. Berriman. |
| Grass Valley | | | | | | 1.00 | W. Loutzenheiser. |
| Georgetown | 2,750 | 62 | 86 | 38 | | 1.80 | C. M. Fitzgerald. |
| Hydesville | 400 | 56 | 76 | 38 | | 1.74 | E. T. Foss. |
| Iowa Hill* | 2,825 | 64 | 87 | 47 | N., S. | .98 | C. F. Macy. |
| Jolon | 960 | | | | | .14 | T. T. Tidball. |
| Lodi | 35 | 66 | 89 | 37 | W. | .18 | Ezra Fiske. |
| Los Gatos | 600 | 59 | 84 | 39 | | .03 | F. H. McCullagh. |
| Milton (near)* | 650 | 67 | 91 | 50 | | trace | J. H. Southwick. |
| Nicolaus* | 40 | 66 | 90 | 47 | S. | .15 | Alvah Pendleton. |
| Newcastle | 956 | 67 | 90 | 43 | E. | .65 | C. H. Kellogg. |
| Napa City | 20 | 58 | 82 | 38 | N., S. | .24 | W. H. Martin. |
| Needles | 491 | 73 | 88 | 57 | | .00 | H. P. Aldrich. |
| Oakland | 36 | 57 | 88 | 40 | N.W. | .20 | Chabot Observatory. |
| Orangevale | | 64 | 92 | 38 | | .29 | W. H. Edwards. |
| Oleta | 1,510 | 60 | 88 | 39 | W. | .31 | Isaac Cooper. |
| Palermo | 185 | 63 | 88 | 39 | | .32 | G. W. Smith. |
| Redding | 550 | 66 | 92 | 43 | N.W. | .50 | L. F. Bassett. |
| Riverside | 850 | 67 | 97 | 39 | W. | .00 | W. E. Keith. |
| Susanville* | 4,192 | 52 | 74 | 30 | | .45 | T. B. Saunders. |
| Sonoma* | | | | | | .03 | Robert Hall. |
| Sutter Creek* | | 57 | 81 | 32 | | .40 | E. C. Voorhies. |
| Sacramento | 35 | 55 | 83 | 32 | N.W. | .16 | S. H. Gerrish. |
| Stockton | 23 | | | | | .24 | T. G. Brown. |
| Salinas* | | 57 | 82 | 36 | W. | .17 | Dr. E. K. Abbott. |
| Santa Cruz* | 25 | 59 | 89 | 38 | N. | .45 | W. R. Springer. |
| Santa Maria | 220 | 60 | 90 | 43 | | .00 | L. E. Blochman. |
| Santa Barbara | 30 | 63 | 89 | 48 | W. | .00 | Prof. H. D. Vail. |
| San Bernardino | 1,054 | 64 | 91 | 36 | W. | trace | Dr. A. K. Johnson. |
| Sweetwater Dam | 260 | 66 | 91 | 51 | S.W. | .02 | John E. Boal. |
| Turlock | 106 | | | | N.W. | .29 | P. R. McCabe. |
| Vacaville* | | 66 | 94 | 46 | | .18 | G. O. Coburn. |
| Willows | 136 | 65 | 89 | 40 | N. | .15 | A. W. Sehorn. |
| West Butte | 110 | | | | | .05 | A. S. Noyes. |
| Wheatland | 84 | 64 | 94 | 38 | | .14 | W. Lumbard. |

* Highest and lowest temperatures from observed readings, and not from self-registering instruments.

NOTE.—No rain gauge at Florin.

FOR NOVEMBER.

| STATION. | Elevation | Mean Temperature | Highest Temperature | Lowest Temperature | Prevailing Wind | Monthly Precipitation | Observers. |
|-------------------|-----------|------------------|---------------------|--------------------|-----------------|-----------------------|----------------------|
| Arcata | 100 | | | | | 3.33 | D. W. Seaver. |
| Berkeley | 320 | 57 | 74 | 42 | S.W. | .60 | State University. |
| Bakersfield | 330 | 51 | 82 | 21 | W. | .01 | W. A. Webster. |
| Colusa | | | | | | .59 | J. D. McNary. |
| Crescent City | 4 | | | | N.W. | 6.80 | D. S. Sartwell. |
| Citrus | | 56 | 85 | 29 | N. | .10 | J. F. Beale. |
| Campo | | | 40 | 30 | | .25 | S. E. Gaskill. |
| Evergreen | 280 | | | | | .25 | Simeon Holland. |
| Florin* | | 55 | 78 | 30 | N.W. | | Mrs. W. H. Robinson. |
| Fort Jones (near) | | 42 | 64 | 23 | S. | 1.10 | Isaac Titcomb. |
| Fort Ross | | | | | | 2.12 | Oscar Call. |
| Folsom | | | | | | 1.04 | J. H. Sturgis. |
| Grass Valley | | | | | | 1.76 | B. F. Berriman. |
| Grass Valley | | | | | | 1.61 | W. Loutzenheiser. |
| Georgetown | 2,750 | 54 | 72 | 37 | | 1.59 | C. M. Fitzgerald. |
| Hydesville | 400 | 51 | 70 | 31 | | 1.89 | E. T. Foss. |
| Iowa Hill* | 2,825 | 55 | 76 | 38 | S.W. | 1.51 | C. F. Macy. |
| Jolon | 960 | | | | | .08 | T. T. Tidball. |
| Lodi | 35 | 56 | 76 | 30 | W. | .49 | Ezra Fiske. |
| Los Gatos | 600 | 54 | 73 | 37 | | .64 | F. H. McCullagh. |
| Milton (near)* | 650 | 57 | 77 | 44 | | .25 | J. H. Southwick. |
| Nicolaus* | 40 | 54 | 79 | 33 | S. | .00 | Alvah Pendleton. |
| Newcastle | 956 | 56 | 76 | 40 | E. | 1.16 | C. H. Kellogg. |
| Napa City | 20 | 52 | 71 | 32 | N.S. | .60 | W. H. Martin. |
| Needles | 491 | 62 | 76 | 47 | | | H. P. Aldrich. |
| Oakland | 36 | 53 | 80 | 34 | N.W. | .55 | Chabot Observatory. |
| Orangevale | | 59 | 74 | 30 | | .58 | W. H. Edwards. |
| Oleta | 1,510 | 49 | 70 | 34 | N.W. | .92 | Isaac Cooper. |
| Palermo | 185 | 54 | 75 | 32 | | 1.00 | G. W. Smith. |
| Redding | 550 | 57 | 78 | 36 | N.W. | .68 | L. F. Bassett. |
| Riverside | 850 | 58 | 90 | 34 | W. | .33 | W. E. Keith. |
| Susanville* | 4,192 | 43 | 63 | 24 | | 1.10 | T. B. Saunders. |
| Sutter Creek* | | 43 | 69 | 31 | | .30 | E. C. Voorhies. |
| Sacramento | 35 | 47 | 70 | 25 | N.W. | .45 | S. H. Gerrish. |
| Stockton | 23 | | | | | .29 | T. G. Brown. |
| Salinas* | | 56 | 81 | 32 | W. | .80 | Dr. E. K. Abbott. |
| Santa Cruz* | 25 | 55 | 80 | 31 | S.W. | .58 | W. R. Springer. |
| San Ardo | 550 | 56 | 88 | 30 | N. | trace | Michael Gorman. |
| Santa Maria | 220 | 59 | 88 | 34 | | .33 | L. E. Blochman. |
| Santa Barbara | 30 | 59 | 82 | 41 | N.W. | .00 | Prof. Hugh D. Vail. |
| San Bernardino | 1,054 | 58 | 86 | 31 | W. | trace | Dr. A. K. Johnson. |
| Sweetwater Dam | 260 | 61 | 87 | 42 | N.E. | .13 | John E. Boal. |
| Turlock | 106 | | | | N.W. | .00 | P. R. McCabe. |
| Vacaville* | | 59 | 81 | 38 | | .46 | G. O. Coburn. |
| Willows | 136 | 55 | 74 | 36 | N. | .43 | A. W. Sehorn. |
| West Butte | 110 | | 85 | 33 | N.W. | .57 | A. S. Noyes. |
| Wheatland | 84 | 55 | 79 | 34 | | .75 | W. Lombard. |
| Woodland (near) | | | | | | .57 | R. H. Platt. |
| Winchester | 1,450 | 62 | 84 | 40 | | .00 | J. M. Case. |
| Yountville | | | | | | .19 | F. L. Clarke. |

* Highest and lowest temperatures from observed readings, and not from self-registering instruments.

NOTE.—No rain gauge at Florin.

FOR DECEMBER.

| STATION. | Elevation. | Mean Temperature. | Highest Temperature. | Lowest Temperature. | Prevailing Wind. | Monthly Precipitation. | Observers. |
|------------------------|------------|-------------------|----------------------|---------------------|------------------|------------------------|----------------------|
| Arcata..... | 100 | | | | | 11.88 | D. W. Seaver. |
| Berkeley..... | 320 | 47 | 63 | 32 | N. W. | 6.22 | State University. |
| Bakersfield..... | 330 | 42 | 56 | 27 | W. | 1.08 | W. A. Webster. |
| Colusa..... | | | | | | 2.39 | J. D. McNary. |
| Crescent City..... | 4 | | | | S. | 12.76 | D. S. Sartwell. |
| Citrus..... | | 35 | 70 | 15 | N. | 1.50 | J. F. Beale. |
| Campo..... | | | 40 | 20 | | 3.21 | S. E. Gaskill. |
| Evergreen..... | 280 | | | | | 4.98 | Simeon Holland. |
| Florin*..... | | 44 | 63 | 22 | N. W. | | Mrs. W. H. Robinson. |
| Fort Jones (near)..... | | 30 | 46 | 10 | N. | 21.20 | Isaac Titcomb. |
| Fort Ross..... | | | | | | 11.70 | Oscar Call. |
| Folsom..... | | | | | | 4.64 | J. H. Sturgis. |
| Grass Valley..... | | | | | | 10.46 | B. F. Berriman. |
| Grass Valley..... | | 37 | 58 | 17 | | 9.87 | W. H. Loutzenheiser. |
| Georgetown..... | 2,750 | 39 | 63 | 20 | | 13.74 | C. M. Fitzgerald. |
| Hydesville..... | 400 | 45 | 64 | 27 | | 11.17 | E. T. Foss. |
| Iowa Hill*..... | 2,825 | 41 | 67 | 22 | S. W. | 12.04 | C. F. Macy. |
| Jolon..... | 960 | | | 25 | | 2.99 | T. T. Tidball. |
| Lodi..... | 35 | 46 | 63 | 24 | S. E. | 4.69 | Ezra Fiske. |
| Los Gatos..... | 900 | 44 | 61 | 32 | | 7.29 | F. H. McCullagh. |
| Milton (near)*..... | 650 | 45 | 60 | 26 | | 4.85 | J. H. Southwick. |
| Nicolaus*..... | 40 | 46 | 66 | 29 | N. | 3.87 | Alvah Pendleton. |
| Newcastle..... | 956 | 43 | 63 | 25 | S. | 5.82 | C. H. Kellogg. |
| Napa City..... | 20 | 45 | 62 | 27 | N. S. | 4.96 | W. H. Martin. |
| Needles..... | 491 | 50 | 59 | 40 | | trace | H. P. Aldrich. |
| Oakland..... | 36 | 46 | 74 | 30 | N. W. | 6.64 | Chabot Observatory. |
| Orangevale..... | | 42 | 62 | 21 | | 4.22 | W. H. Edwards. |
| Oleta..... | 1,510 | 41 | 62 | 22 | N. W. | 9.29 | Isaac Cooper. |
| Palermo..... | 185 | 42 | 66 | 23 | | 4.83 | G. W. Smith. |
| Redding..... | 550 | 42 | 62 | 27 | N. W. | 10.38 | L. F. Bassett. |
| Riverside..... | 850 | 48 | 76 | 21 | W. | 1.29 | W. E. Keith. |
| Susanville*..... | 4,192 | 30 | 43 | zero | | 7.08 | T. B. Saunders. |
| Sonoma*..... | | | | | | 3.73 | Robert Hall. |
| Sutter Creek*..... | | 39 | 62 | 20 | | 6.49 | E. C. Voorhies. |
| Sacramento..... | 35 | 39 | 65 | 20 | N. W. | 3.55 | S. H. Gerrish. |
| Stockton..... | 23 | | | | | 4.19 | T. G. Brown. |
| Salinas*..... | | 46 | 64 | 25 | W. | 2.32 | E. K. Abbott, M.D. |
| Santa Cruz*..... | 25 | 48 | 69 | 25 | S. E. | 7.60 | W. R. Springer. |
| San Ardo..... | 550 | 42 | 70 | 18 | N. | 3.22 | Michael Gorman. |
| Santa Maria..... | 220 | 48 | 65 | 25 | | 2.77 | L. E. Blochman. |
| Santa Barbara..... | 30 | 52 | 70 | 33 | N. W. | 2.43 | Prof. H. D. Vail. |
| San Buenaventura..... | | | | | | 1.75 | J. F. Newby. |
| San Bernardino..... | 1,054 | 48 | 74 | 23 | W. | 1.67 | A. K. Johnson, M.D. |
| Sweetwater Dam..... | 260 | 52 | 75 | 29 | N. E. | 1.75 | J. E. Boal. |
| Turlock*..... | 106 | | | | N. W. | 3.90 | P. R. McCabe. |
| Vacaville*..... | | 47 | 65 | 31 | | 6.91 | G. O. Coburn. |
| Willows..... | 136 | 47 | 69 | 26 | S. | 8.02 | A. W. Shorn. |
| West Butte*..... | 110 | | 75 | 22 | S. E. | 2.47 | A. S. Noyes. |
| Wheatland..... | 84 | 44 | 66 | 23 | | 3.14 | W. Lumbard. |
| Woodland (near)..... | | | | | | 2.28 | R. H. Piatt. |
| Winchester..... | 1,450 | 54 | 76 | 32 | | .96 | J. M. Case. |
| Yountville..... | | | | | | 4.66 | F. L. Clarke. |

* Highest and lowest temperatures from observed readings, and not from self-registering instruments.

NOTE.—No rain gauge at Florin.

FOR THE YEAR 1891.

| STATION. | Elevation | Mean Temperature | Highest Temperature | Lowest Temperature | Prevailing Wind | Precipitation for 1891 | Observers. |
|-------------------|-----------|------------------|---------------------|--------------------|-----------------|------------------------|----------------------|
| Arcata | 100 | | | | | 46.68 | D. W. Seaver. |
| Berkeley | 820 | 56 | 101 | 32 | S.W. | 28.55 | State University. |
| Colusa | | | | | | 16.98 | J. D. McNary. |
| Crescent City | 4 | | | | | 80.56 | D. S. Sartwell. |
| Campo | | | | 20 | | 32.71 | S. E. Gaskill. |
| Evergreen | 280 | | | | | 15.71 | Simeon Holland. |
| Florin* | | 62 | 109 | 22 | S. | | Mrs. W. H. Robinson. |
| Fort Jones (near) | | 48 | 96 | 10 | | 33.27 | Isaac Titcomb. |
| Fort Ross | | | | | | 41.99 | Oscar Call. |
| Folsom | | | | | | 21.31 | J. H. Sturgis. |
| Grass Valley | | | | | | 42.05 | B. F. Berriman. |
| Grass Valley | | | | | | 87.27 | W. Loutzenheiser. |
| Georgetown | 2,750 | 56 | 100 | 20 | | 42.93 | C. M. Fitzgerald. |
| Hydesville | 400 | 53 | 87 | 26 | | 42.92 | E. T. Foss. |
| Iowa Hill* | 2,825 | 58 | 102 | 22 | S. | 43.78 | C. F. Macy. |
| Jolon | 960 | | 115 | 16 | | 14.89 | T. T. Tidball. |
| Lodi | 35 | 62 | 108 | 24 | W. | 17.44 | Ezra Fiske. |
| Los Gatos | 600 | 57 | 102 | 30 | | 35.45 | F. H. McCullagh. |
| Milton (near)* | 650 | 68 | 112 | 26 | | 15.27 | J. S. Southwick. |
| Nicolaus* | 40 | 62 | 104 | 27 | S. | 16.53 | Alvah Pendleton. |
| Newcastle | 956 | 62 | 110 | 25 | S. | 24.54 | C. H. Kellogg. |
| Napa City | 20 | 55 | 97 | 27 | S.W. | 21.99 | W. H. Martin. |
| Oakland | 36 | 55 | 99 | 30 | N.W. | 28.31 | Chabot Observatory. |
| Oleta | 1,510 | 56 | 99 | 22 | N.W. | 30.68 | Isaac Cooper. |
| Riverside | 850 | 61 | 112 | 21 | W. | 9.57 | W. E. Keith. |
| Susanville* | 4,192 | 51 | 93 | zero. | | 24.80 | T. B. Saunders. |
| Sonoma* | | | | | | 22.50 | Robert Hall. |
| Sutter Creek* | | 56 | 98 | 20 | | 28.17 | E. C. Voorhies. |
| Sacramento | 35 | 55 | 98 | 20 | S. | 16.78 | S. H. Gerrish. |
| Stockton | 23 | | | | | 11.03 | T. G. Brown. |
| Salinas* | | 55 | 87 | 25 | W. | 11.19 | E. K. Abbott, M.D. |
| Santa Cruz* | 25 | 57 | 100 | 25 | N. | 25.41 | W. R. Springer. |
| Santa Maria | 220 | 57 | 98 | 25 | W. | 9.77 | L. E. Blochman. |
| Santa Barbara | 30 | 60 | 96 | 33 | W. | 14.38 | Prof. H. D. Vail. |
| San Buenaventura | | | | | | 14.90 | J. F. Newby. |
| San Bernardino | 1,054 | 62 | 106 | 23 | W. | | A. K. Johnson, M.D. |
| Sweetwater Dam | 260 | 62 | 98 | 29 | S.W. | 10.84 | John E. Boal. |
| Turlock | 106 | | | | N.W. | 10.57 | P. R. McCabe. |
| Vacaville* | | 62 | 112 | 31 | | 25.31 | G. O. Coburn. |
| Willows | 136 | 63 | 108 | 26 | N. | 17.44 | A. W. Sehorn. |
| West Butte | 110 | | 110 | 22 | N. | 17.58 | A. S. Noyes. |
| Wheatland | 84 | 61 | 112 | 23 | | 15.76 | William Lombard. |
| Woodland (near) | | | | | | 15.18 | R. H. Piatt. |

* Highest and lowest temperatures from observed readings, and not from self-registering instruments.

NOTE.—No rain gauge at Florin.

WEATHER SUMMARY FOR 1891, AT ROSEBURG, OREGON.

By THOMAS GIBSON, Observer Weather Bureau.

| | |
|--|------------------------------|
| Average barometer | 29.54 inches. |
| Highest barometer | 30.07 inches, December 10th. |
| Lowest barometer | 28.55 inches, February 22d. |
| Average temperature | 54.1° |
| Highest temperature | 102°, July 23d. |
| Lowest temperature | 24°, February 9th. |
| Days temperature above 80° | 16 |
| Days temperature below 32° | 22 |
| Average dew point | 44° |
| Average humidity | 75 per cent. |
| Total precipitation | 46.90 inches. |
| Total wind velocity | 28,780 miles. |
| Maximum hourly velocity | 36 miles, in December. |
| Prevailing wind direction | North. |
| Clear days | 88 |
| Fair days | 86 |
| Cloudy days | 177 |
| Days .01 of an inch of rain fell | 171 |
| Thunder storm | 1 |

WEATHER SUMMARY FOR 1891, AT CARSON CITY, NEVADA.

By FORD A. CARPENTER, Assistant Director State Weather Service.

Latitude, 39° 8'. Longitude, 119° 47'. Height of ground above sea level, 4,680 feet.

| MONTH. | Mean Maximum Temperature | Mean Minimum Temperature | Monthly Mean Temperature | Highest Temperature | Date of Highest Temperature | Lowest Temperature | Date of Lowest Temperature | Monthly Range of Temperature | Mean Daily Range of Temperature | Rain or Melted Snow | Number of Cloudless Days | Number of Partly Cloudy Days | Number of Cloudy Days | Days on which .01 or more Precipitation fell. |
|-----------|--------------------------|--------------------------|--------------------------|---------------------|-----------------------------|--------------------|----------------------------|------------------------------|---------------------------------|---------------------|--------------------------|------------------------------|-----------------------|---|
| January | 45 | 22 | 33.2 | 54 | 26th | 8 | 10th | 46 | 23.3 | .10 | 26 | 4 | 1 | 1 |
| February | 44 | 35 | 34.6 | 55 | 18th | 7 | 26th | 48 | 18.4 | 4.02 | 14 | 6 | 8 | 11 |
| March | 51 | 31 | 41.2 | 64 | 20th | 20 | 7th | 44 | 19.9 | 2.50 | 12 | 14 | 6 | 8 |
| April | 60 | 35 | 37.8 | 75 | 30th | 26 | 9th | 49 | 24.9 | 1.72 | 15 | 13 | 2 | 2 |
| May | 68 | 42 | 58.9 | 75 | 11th | 32 | 9th | 43 | 24.6 | 2.64 | 12 | 18 | 6 | 13 |
| June | 73 | 45 | 58.3 | 82 | 30th | 37 | 9th | 55 | 28.7 | .84 | 18 | 7 | 5 | 5 |
| July | 83 | 52 | 67.4 | 90 | 24th | 40 | 12th | 50 | 31.1 | .23 | 23 | 3 | 5 | 2 |
| August | 85 | 51 | 67.8 | 92 | 23d | 37 | 7th | 55 | 34.2 | T. | 28 | 1 | 2 | 0 |
| September | 72 | 45 | 58.2 | 86 | 2d | 31 | 26th | 55 | 23.6 | .88 | 17 | 4 | 9 | 4 |
| October | 68 | 34 | 51.2 | 76 | 9th | 23 | 3d | 53 | 34.0 | T. | 26 | 5 | 0 | 0 |
| November | 61 | 28 | 44.4 | 72 | 4th | 16 | 15th | 58 | 33.7 | T. | 28 | 3 | 0 | 0 |
| December | 43 | 21 | 32.2 | 60 | 3d | 0 | 31st | 60 | 22.0 | 5.62 | 15 | 5 | 11 | 12 |
| Sums | 751 | 430 | 590.7 | *92 | --- | +0 | --- | 614 | 321.4 | 18.08 | 282 | 78 | 55 | 58 |
| Means | 62.6 | 35.8 | 49.2 | --- | --- | --- | --- | 51 | 26.8 | --- | --- | --- | --- | --- |

* In August. † In December.

WEATHER SUMMARY FOR 1891, AT YUMA, ARIZONA.

By GEORGE H. PENROD, Observer Weather Bureau.

| | |
|--|-----------------------------------|
| Mean monthly average of barometer..... | 29.77 inches. |
| Highest barometer..... | 30.42 inches, December 7th. |
| Lowest barometer..... | 29.29 inches, September 30th. |
| Average hourly barometer (barograph)..... | 29.773 inches. |
| Elevation of barometer above sea..... | 141 feet. |
| Mean 8 A. M. temperature..... | 59.8° |
| Mean P. M. temperature..... | 81.2° |
| Mean maximum temperature..... | 86.0° |
| Mean minimum temperature..... | 56.8° |
| Average (maximum and minimum) temperature..... | 71.4° |
| Average hourly temperature (thermograph)..... | 71.7° |
| Highest temperature..... | 116°, June 29th. |
| Lowest temperature..... | 25°, December 26th. |
| Absolute range of temperature..... | 51° |
| Mean daily range of temperature..... | 29.2° |
| Mean daily change of temperature..... | 2.5° |
| Number of days maximum below 32°..... | 0 |
| Number of days maximum above 90°..... | 162 |
| Number of days minimum below 32°..... | 12 |
| Mean average dew point..... | 39° |
| Mean average humidity..... | 39 per cent. |
| Total rain..... | 2.67 inches. |
| Greatest rainfall in twenty-four hours..... | 1.24 inches, on February 22d-23d. |
| Average cloudiness..... | 1.6 |
| Total movement of wind..... | 58,015 miles. |
| Average hourly wind velocity..... | 6.6 miles. |
| Prevailing direction of wind..... | North. |
| Cloudless days..... | 303 |
| Partly cloudy days..... | 45 |
| Cloudy days..... | 17 |
| Rainy days..... | 11 |
| Thunder storms..... | 8 |

A CYCLONIC GLIMPSE OF CALIFORNIA WEATHER.

By LIEUT. JOHN P. FINLEY, U. S. A.

[From the Californian Illustrated Magazine.]

The weather of any place is the sum of its transient meteorological phenomena. To find the sum of such occurrences in California will require more than ordinary calculation. In other words, there is variety in her weather as there is diversity in her industries. To understand these varying conditions one must consider, at least, the following important general features: (1) The great extent of latitude embraced by the State; (2) Its pronounced topographic outlines; (3) Its position relative to the North Pacific Cyclone Belt; (4) Its relation to the Japan and Alaskan Currents of the North Pacific. To comprehend the meteorology of such a region one must become impressed with the necessity of extending the investigation far beyond the limits of the State. Surrounding atmospheric conditions for hundreds of miles must be closely watched to discover the source of those phases of cloud and sky which make the progress of peculiar systems of circulating air, under the influence of the axial rotation of the earth, which bring over large areas of country changes in temperature and degrees of precipitation affecting the prosperity of thousands of square miles of territory. You cannot study weather understandingly from your own doorstep.

Because of California's great extent of territory north and south she feels the effect of tropical influences as well as those of the Temperate Zone. Coupled with her varied topography, unequalled in the United States, the fluctuations of atmospheric pressure within the extreme limits of the North Pacific Cyclone Belt give rise to some anomalies in weather both extremely interesting and complicated. Why wonder at the results, with a surface contour affording extraordinary differences in elevation, from nearly three hundred feet below to about fifteen thousand feet above sea level, permitting variations in temperatures from torrid heat to Arctic cold, and changes in atmospheric humidity from the driest areas on the continent to the saturation of a tropical clime. The most skilled meteorologist will find ample scope for the exercise of his knowledge and professional training.

Being at one season largely within and at another largely without the predominating influence of cyclonic disturbances, introduces peculiarities of weather and climate which distinguishes the meteorology of California from any other portion of the United States.

The proximity of two ocean currents essentially different as to temperature, course of movement, and atmospheric effect, gives rise to a coast climate remarkably at variance with that of the interior valleys, only a few miles away, and still different from the adjacent mountain districts. No State in the Union is so uniquely situated, so diversified as to climate and weather, within such circumscribed limits.

All the various local and secondary causes are largely subservient to one superior and overwhelming influence—the action of the North Pacific Cyclone Belt.

The meteorology of the State as a whole, as well as of its individual portions, falls under the sway of this power. The notion must be discarded that the weather of California is not dependent upon atmospheric conditions over adjacent regions to great distances, especially over States to the east and north. This dependence arises from the fact that these adjacent States are nearer, and therefore more strongly affected by the passage of cyclonic disturbances. All of these disturbances enter upon the coast from the North Pacific Ocean. They are huge atmospheric eddies which have developed in the air resting upon the warm waters of the Japan Current. The typhoon of the China and Japan Seas becomes, later on in its course, the cyclonic disturbance which sweeps across British Columbia, thence to the region of the Great Lakes, and farther on to the Atlantic and Europe.

All cyclones cross the United States at a lower latitude in winter than in summer. This condition results, in part, from the apparent movement of the sun north and south of the equator, whereby the area of heat and moisture of the Temperate Zone reaches a higher latitude in summer and recedes to a lower latitude in winter. The atmospheric eddies enter the continent at about the 50th parallel, being about the latitude of the center of the northern portion of the Japan Current, which flows eastward from the Asiatic coast. The fluctuation north and south of the Cyclone Belt on the Pacific Coast depends then upon the change in the location of the areas of heat and moisture. These two elements constitute the food of cyclonic disturbances; and without an almost unlimited source of supply areas of low barometric pressure begin to fill up and disappear. Clouds and rain, with boisterous winds, are soon followed by clear, calm weather and a dry, cool atmosphere.

To understand the distribution of precipitation over any region, one must clearly comprehend the essential characteristics of a cyclonic disturbance. Such information is especially necessary regarding the rainfall of California, for its occurrence and distribution are peculiar and unlike, in some respects, that of any other State.

As cyclonic disturbances may vary in diameter from five hundred to one thousand five hundred miles, and the centers invariably move eastward north of San Francisco, it would rarely, if ever, occur that the whole of any area could be shown on a chart of the Pacific Slope. From the Pacific to the Mississippi Valley, the direction is a little south of east. From that river to the Atlantic, the course is somewhat north of east. The forms of cyclonic areas are either elliptical or circular, and the former predominates on the Pacific Coast. The isobaric line of thirty thousand inches marks the separation between the two principal classes of atmospheric disturbances, viz.: the cyclone (low) and the anti-cyclone (high).

An observant "new arrival" is not long in discovering that California has, during the year, two weather periods instead of four, known as the "wet season" and the "dry season." He learns that they are powerful factors in ascertaining the prosperity of the commonwealth. When nature, in a kind mood, arranges the relation of these two seasons with a marked uniformity of variations, then Dame Fortune smiles upon the commercial and agricultural interests of the State. If the exact character of these seasons could be forecast in advance, what enormous profits could be realized. Such long-range prognostications have never been vouchsafed to man, and there is no immediate prospect of his acquiring such extraordinary knowledge.

We must be content, for the present, at least, with a much more limited degree of information, but yet not lacking in practical importance.

The two meteorological seasons of California are dependent, for their proximate occurrence, upon the distribution and frequency of cyclonic disturbances between the 40th and 50th parallels, and the rate of progress eastward, together with the energy displayed between the Pacific Ocean and the 100th meridian. In short, the cyclones move farther south and are of greater energy in winter (the "wet season") than in summer (the "dry season"). A careful examination of the charts in the office of the Weather Bureau will show very clearly that the weather over any region depends upon the relation of the latter to the quadrants of the passing cyclonic or anti-cyclonic disturbance. According as one or another of the quadrants covers any region, so will be the successive phases of weather therein.

All forms of atmospheric precipitation are distributed over the earth through the agency of these systems of air circulation. They are of enormous extent and great power, drawing moisture from all available sources, carrying it to great heights in the atmosphere, where, by a marked change in its surroundings, the vapor is transformed into water, and falls again upon the earth. The physical forces of evaporation and condensation cannot fulfill their mission in the production of atmospheric precipitation without the assistance of adequate means for setting up and maintaining a system of circulation for the distribution of the vapor of water throughout the lower regions of the atmosphere.

It has been found that these atmospheric eddies pursue certain paths over the continent of North America. There are two such lines of travel,

one along the northern boundary of the United States, and the other from the West Indies northwestward to the Gulf States, curving at the 30th parallel north latitude, and moving thence northeastward over the Atlantic Coast States. The second path joins with the first one near Nova Scotia, where, together, they form a well-beaten path along the 45th parallel, of all cyclonic disturbances crossing to Europe.

It is a fact to which attention has not been drawn, that that portion of the United States most distant from the influence of the atmospheric eddies which travel the two storm paths embraces what is known as the middle and southern plateau regions. They include southeastern California, Nevada, Utah, Arizona, New Mexico, western Colorado, and southern Wyoming. This may be called the dry region of the United States. It is well known as the region of least rainfall, and has been found to be the region over which the greatest atmospheric evaporation (about one hundred inches annually) takes place. There can be no doubt but that the meteorology and climatology of this region depend most largely upon its geographical position regarding the cyclonic belts over the United States. California's share in this relationship cannot be understood without a comprehensive and graphic view of the whole situation.

The reader must already begin to see some evidence of the preponderating influence in the distribution of precipitation over the United States, and especially the Pacific Slope. Of course all general and predominating influences are counteracted here and there by local differences, which, in this discussion, may be briefly referred to as topographical. The limits of this paper will not permit of considering this branch of the subject particularly. The tabulated data given herein will illustrate some of the effects of local surroundings. The dry region of the United States can never be other than it is, so far as atmospheric conditions are concerned, without a great physical change, which would completely reverse the circulation of the Japan Current in the North Pacific Ocean, and bring it nearer the California coast. It must needs bathe this coast as does the Gulf Stream the coast of the South and Middle Atlantic States. Then would the dry region become, in weather and climate and in vegetation, as that of the Gulf and South Atlantic States.

We find that the weather of California, like that of any other region, is dependent upon the atmospheric conditions surrounding it for hundreds of miles. If it were nearer the Cyclone Belts, its two famous seasons—the "wet" and the "dry"—would be changed into a more uniform distribution of precipitation throughout the year, and a less uniform distribution of temperature. Such a modification of its climate would be detrimental to some of California's greatest industrial pursuits. Its variety of weather and climate is unrivaled in the United States, and therefore the peculiar adaptability of the State for the growth of the choicest fruits, grasses, and cereals. Its geographical position is such that the seasonal fluctuation of the North Pacific Cyclone Belt carries the rain area far to the north, and protects the crops that would otherwise suffer severely from heavy cloudiness and drenching rains.

The precipitation of the "wet season," when the Cyclone Belt takes a more southerly course, is generally heavy; and there is stored in the earth a supply of moisture that frequently goes far toward supplying the needs of summer. When this source fails, resort must be had to either surface or sub-irrigation. But the "dry season" in California does not mean an entire absence of rain throughout the State. Rains

occur on the northwest coast from San Francisco northward, and in the mountains in the northeast and southeast portions, during the summer. They are frequently heavy, with thunder storms in the southeast portion. The central valleys are the driest in summer, especially in July and August, where in some places no rain falls during these months for a period of several years. In any case, only the lightest showers would occur, at long intervals, resulting from the drifting over and settling down into the valleys of heavy clouds from the mountains. Such precipitation is likely to occur when the snows of the previous winter have been heavy, and the mountains remain snow-capped throughout the year.

The average rainfall values at selected stations in California are shown in Table No. 1. Records are given from both the regular weather stations and from those where the observations were made by voluntary observers. By such a selection a better idea can be given of the distribution of precipitation over the State.

As average values do not give an idea of the extremes, I have added an extra column, to show the greatest seasonal amount reported, with date of occurrence. An examination of this table will show what marked variations exist between summer and winter rainfall. It will also call attention to the fact that even the "wet season," with its southerly trend of the Cyclone Belt, fails to produce adequate precipitation for southeastern California. The values in this table will not show, satisfactorily, the average depth of snowfall in the mountain districts, a very important factor in forecasting the rains for July and August, and ascertaining the probable water supply for irrigating purposes. Some idea of the distribution of this form of precipitation can be obtained from the selected stations—Tehachapi, Summit, Colfax, and Susanville. Heavy snow in the mountains in winter will probably result in heavy rains in the valleys in summer. The enormous extent of surface covered with snow, from a few inches to many feet in depth, offers an extraordinary opportunity for rapid evaporation under the burning rays of the morning sun, through a clear, crisp atmosphere. Heavy clouds appear o'er the lofty ranges by about twelve noon, and when the sun begins his downward course, and the air currents are pushing down the mountains, great masses of clouds are hurled together and carried over the valleys, attended by smart showers and occasional manifestations of atmospheric electricity. Here we have a brief view of the conditions under which summer rains occur in the mountain districts of California, especially in the southeastern portion of the State, and the adjacent regions of Nevada and Arizona. Even these may be called cyclonic rains, for they invariably occur under the influence of a barometric trough of low pressure, covering the eastern portion of the Pacific States, the center of the cyclonic disturbance being in British Columbia, north of Montana. The effect of this trough may not disappear until the central area moves eastward into Dakota and Minnesota, like a monstrous sea-serpent, dragging his tail behind him.

A low barometric pressure is especially favorable to evaporation and the development of ascensional air currents, which force great quantities of vapor into the air that is rapidly condensed into clouds. Clouds consist of small drops of water light enough to float in the air. Fogs are clouds resting upon or very near to the surface of the earth. When the drops of water become large enough and sufficiently heavy to fall to the

earth, they are called, collectively, rain. I have quickly depicted here the transitions from water in the liquid and solid state, through the vapor or gaseous form, to the liquid state again. What a powerful engine is the atmosphere, and how nicely adjusted must be all the cogs, wheels, springs, and compensations of this exquisite piece of machinery, that it never wears out nor breaks down, nor fails to do its work at the right time and in the right way.

The effect of the fluctuation of the North Pacific Cyclone Belt is also shown in the probability of rainy days for various parts of the State (see Table No. 2), and in the percentage of clear and cloudy days as given in Tables Nos. 3 and 4. It will be noticed that the probability of rain for the valleys is proportionately much lower in summer than the probability of cloud formation. This is largely due to the fact that while the northward deflection of the Cyclone Belt is sufficient to prevent rain, it does not remove the influence of cyclonic circulation in the production of cloud formation. At times the sky will remain overcast for several days and pass away without precipitation. The condensation has not been sufficiently vigorous under cyclonic circulation to develop drops of water of sufficient size to fall to the earth. These tables furnish interesting and valuable data for comparative climatic study, and show the importance of systematic meteorological investigation. Perhaps very few of my readers will be able to realize the vast amount of labor in computations, and the long years of constant watching secretly, represented in this little collection of figures. It is a patient but determined study of nature, who refuses to reveal herself without the most ingenious and prolonged effort of man.

No portion of the United States offers richer opportunities for meteorological research, or will afford greater practical results from thorough and systematic investigation, than the weather and climate of California. No State is in greater need of such scientific inquiry; and if successfully prosecuted, will greatly aid in the development of her rich resources. It will bring them to the attention of thousands who would be glad to enjoy the fruits of "perpetual summer;" the opportunities of a wonderfully varied climate and soil; the invigorating influence of unsurpassed mountain air and scenery; and the advantages of marked uniformity of temperature along a coast line of marvelous extent and diversity.

Theoretically, California should furnish the best and most varied health resorts and sanitariums in the United States. Within her borders most every form of wasting disease should find the means of temporary, if not permanent, relief.

While our present knowledge warrants this assumption, yet practically the truth of this statement, in all necessary details, must be developed and tested by adequate scientific research.

The agricultural, horticultural, and commercial interests must be more fully informed as to the probabilities before them, and every line of industry afforded the means of weighing thoroughly its chances for growth and success.

A reliable knowledge of probable weather changes and of climatic effects is rapidly becoming a daily necessity in all occupations.

TABLE No. 1.

MONTHLY AND ANNUAL AVERAGE RAINFALL, IN INCHES, AT STATIONS IN CALIFORNIA, FROM RECORDS FOR MANY YEARS.

| STATION. | Jan- uary. | Feb- ruary. | March. | April. | May. | June. | July. | August. | Sep- tember. | Oct- ober. | No- vember. | De- cember. | Annual. | Maximum Sea- sonal Amount. |
|---------------------------------|---------------|----------------|--------|--------|------|--------|--------|---------|-----------------|---------------|----------------|----------------|---------|-------------------------------|
| <i>Weather Bureau Stations.</i> | | | | | | | | | | | | | | |
| San Francisco | 5.06 | 3.76 | 3.07 | 2.04 | 0.62 | 0.15 | 0.02 | 0.02 | 0.16 | 0.85 | 2.85 | 5.20 | 28.80 | 49.27-1861-62 |
| Eureka | 7.68 | 6.61 | 4.55 | 4.15 | 2.05 | 1.07 | 0.10 | 0.02 | 0.73 | 2.73 | 3.95 | 7.25 | 89.50 | 73.99-1888-90 |
| Red Bluff | 5.97 | 3.87 | 2.54 | 2.18 | 0.78 | 0.37 | Trace. | 0.05 | 0.41 | 1.22 | 2.84 | 3.76 | 23.59 | 61.65-1877-78 |
| Sacramento | 3.77 | 2.89 | 2.86 | 1.95 | 0.69 | 0.13 | 0.03 | Trace. | 0.11 | 0.68 | 2.06 | 4.52 | 19.69 | 86.36-1852-53 |
| Fresno | 1.80 | 1.21 | 1.21 | 1.64 | 0.80 | 0.13 | 0.00 | 0.00 | 0.12 | 0.89 | 1.21 | 1.28 | 8.79 | 16.62-1886-86 |
| Keeler | 0.25 | 0.54 | 0.24 | 0.64 | 0.41 | 0.22 | 0.17 | 0.10 | 0.27 | 0.27 | 2.08 | 0.38 | 3.67 | 5.76-1887-88 |
| Bidwell | 4.24 | 2.71 | 2.25 | 1.68 | 1.37 | 1.13 | 0.81 | 0.20 | 0.38 | 0.96 | 2.08 | 3.46 | 20.77 | 37.20-1866-67 |
| Los Angeles | 3.38 | 3.76 | 1.90 | 1.34 | 0.85 | 0.09 | Trace. | 0.08 | 0.01 | 0.85 | 1.49 | 2.73 | 16.03 | 82.16-1893-94 |
| San Diego | 1.55 | 2.22 | 1.38 | 0.90 | 0.44 | 0.07 | 0.01 | 0.19 | 0.03 | 0.29 | 1.02 | 2.16 | 10.26 | 26.97-1883-84 |
| Yuma | 0.87 | 0.43 | 0.20 | 0.11 | 0.04 | Trace. | 0.15 | 0.45 | 0.15 | 0.12 | 0.88 | 0.88 | 2.81 | 5.86-1884 |
| <i>Other Stations.</i> | | | | | | | | | | | | | | |
| Fort Gaston | 10.56 | 7.99 | 7.50 | 4.70 | 1.74 | 0.75 | 0.12 | 0.11 | 0.89 | 2.67 | 7.69 | 10.70 | 55.42 | 126.36-1865-66 |
| Crescent City | 13.69 | 10.44 | 6.29 | 8.58 | 2.75 | 2.31 | 0.65 | 0.08 | 3.49 | 10.22 | 11.37 | 18.90 | 88.77 | 113.46-1891-92 |
| Nevada City | 10.98 | 7.68 | 8.57 | 5.14 | 2.06 | 0.60 | 0.04 | 0.03 | 0.54 | 1.82 | 6.77 | 12.09 | 56.27 | 115.26-1867-68 |
| Mammoth Tank | 0.19 | 0.43 | 0.09 | 0.11 | 0.02 | 0.00 | 0.06 | 0.13 | 0.03 | 0.14 | 0.16 | 0.49 | 1.85 | 3.11-1883-84 |
| San Bernardino | 3.66 | 3.03 | 1.97 | 1.75 | 0.44 | 0.09 | 0.02 | 0.06 | 0.06 | 0.43 | 1.68 | 3.10 | 16.17 | 37.51-1893-94 |
| Campo | 2.36 | 2.80 | 2.38 | 2.68 | 0.27 | 0.06 | 0.60 | 0.37 | 0.01 | 0.41 | 1.13 | 2.21 | 15.17 | 19.63-1892-93 |
| San Luis Obispo | 4.68 | 3.75 | 2.81 | 2.05 | 0.35 | 0.14 | Trace. | Trace. | 0.03 | 0.72 | 1.95 | 4.53 | 21.01 | 42.40-1893-94 |
| Tehachapi | 1.28 | 3.54 | 1.68 | 1.83 | 0.88 | 0.13 | 0.01 | 0.09 | 0.03 | 0.42 | 0.78 | 1.52 | 11.64 | 18.77-1893-94 |
| Summit | 8.39 | 8.96 | 6.73 | 5.77 | 1.68 | 0.62 | 0.08 | 0.01 | 0.19 | 2.34 | 2.82 | 7.82 | 44.96 | 87.99-1879-80 |
| Colfax | 8.36 | 6.77 | 6.28 | 4.97 | 1.63 | 0.52 | 0.00 | 0.00 | 0.32 | 1.74 | 5.06 | 7.67 | 48.33 | 80.80-1889-90 |
| Susansville* | 8.86 | 5.43 | 5.53 | 1.55 | 4.49 | 0.60 | 0.03 | 0.07 | 0.08 | 2.09 | 1.89 | 9.84 | 39.43 | ----- |

* Record for only two years.

TABLE No. 2.

MONTHLY PERCENTAGES OF PROBABILITY OF RAINY DAYS AT WEATHER BUREAU STATIONS IN CALIFORNIA, FROM RECORDS FOR MANY YEARS.

| STATION. | January. | February. | March. | April. | May. | June. | July. | August. | Septem-ber. | October. | Novem-ber. | Decem-ber. |
|---------------|----------|-----------|--------|--------|------|-------|-------|---------|-------------|----------|------------|------------|
| San Francisco | 38 | 38 | 31 | 26 | 11 | 8 | 2 | 1 | 5 | 11 | 22 | 34 |
| Eureka | 50 | 43 | 37 | 34 | 21 | 17 | 3 | 2 | 11 | 29 | 36 | 46 |
| Red Bluff | 34 | 32 | 28 | 29 | 17 | 11 | 2 | 1 | 6 | 12 | 25 | 34 |
| Sacramento | 31 | 31 | 29 | 25 | 9 | 5 | 1 | 1 | 4 | 11 | 18 | 31 |
| Fresno | 22 | 26 | 19 | 22 | 8 | 3 | 1 | 1 | 3 | 8 | 15 | 20 |
| Keeler | 10 | 14 | 9 | 17 | 9 | 4 | 7 | 4 | 4 | 5 | 14 | 8 |
| Bidwell | 44 | 40 | 29 | 27 | 32 | 31 | 13 | 4 | 6 | 12 | 38 | 45 |
| Los Angeles | 18 | 23 | 24 | 21 | 9 | 5 | 1 | 1 | 1 | 7 | 11 | 17 |
| San Diego | 19 | 25 | 22 | 19 | 11 | 5 | 2 | 2 | 2 | 7 | 10 | 17 |
| Yuma | 5 | 7 | 4 | 8 | 1 | 1 | 3 | 9 | 3 | 2 | 4 | 7 |

TABLE No. 3.

MONTHLY PERCENTAGES OF PROBABILITY OF CLEAR (SUNSHINE) DAYS AT WEATHER BUREAU STATIONS IN CALIFORNIA, FROM RECORDS FOR MANY YEARS.

| STATION. | January. | February. | March. | April. | May. | June. | July. | August. | Septem-ber. | October. | Novem-ber. | Decem-ber. |
|---------------|----------|-----------|--------|--------|------|-------|-------|---------|-------------|----------|------------|------------|
| San Francisco | 52 | 54 | 54 | 58 | 60 | 60 | 60 | 57 | 68 | 68 | 62 | 53 |
| Eureka | 47 | 59 | 52 | 44 | 55 | 61 | 72 | 83 | 76 | 90 | 65 | 50 |
| Red Bluff | 55 | 57 | 61 | 60 | 65 | 80 | 90 | 94 | 89 | 79 | 66 | 52 |
| Sacramento | 58 | 57 | 65 | 63 | 76 | 93 | 95 | 97 | 91 | 83 | 76 | 65 |
| Fresno | 57 | 55 | 62 | 60 | 76 | 89 | 93 | 98 | 94 | 84 | 72 | 53 |
| Keeler | 73 | 75 | 74 | 74 | 79 | 89 | 85 | 89 | 90 | 86 | 75 | 74 |
| Bidwell | 42 | 53 | 51 | 54 | 53 | 58 | 82 | 84 | 83 | 69 | 50 | 48 |
| Los Angeles | 63 | 63 | 58 | 53 | 57 | 61 | 71 | 75 | 77 | 74 | 74 | 69 |
| San Diego | 61 | 59 | 52 | 54 | 46 | 50 | 53 | 60 | 60 | 61 | 65 | 63 |
| Yuma | 76 | 78 | 78 | 84 | 88 | 92 | 83 | 78 | 90 | 88 | 81 | 80 |

TABLE No. 4.

MONTHLY PERCENTAGES OF PROBABILITY OF CLOUDY DAYS AT WEATHER BUREAU STATIONS
IN CALIFORNIA, FROM RECORDS FOR MANY YEARS.

| STATION. | Jan. | Feb. | Mar. | April. | May. | June. |
|---------------------|------|------|------|--------|------|-------|
| San Francisco | 48 | 46 | 46 | 42 | 40 | 40 |
| Eureka | 53 | 41 | 48 | 56 | 45 | 39 |
| Red Bluff | 45 | 43 | 39 | 40 | 35 | 20 |
| Sacramento | 42 | 33 | 35 | 34 | 24 | 14 |
| Fresno | 43 | 45 | 38 | 40 | 24 | 11 |
| Keeler | 27 | 25 | 26 | 26 | 21 | 11 |
| Bidwell | 58 | 47 | 49 | 46 | 47 | 42 |
| Los Angeles | 32 | 37 | 42 | 47 | 43 | 39 |
| San Diego | 39 | 41 | 48 | 46 | 54 | 50 |
| Yuma | 24 | 22 | 22 | 16 | 12 | 8 |

| STATION. | July. | Aug. | Sept. | Oct. | Nov. | Dec. |
|---------------------|-------|------|-------|------|------|------|
| San Francisco | 40 | 43 | 34 | 32 | 38 | 47 |
| Eureka | 28 | 17 | 24 | 40 | 45 | 50 |
| Red Bluff | 10 | 6 | 11 | 21 | 34 | 48 |
| Sacramento | 5 | 3 | 9 | 17 | 28 | 35 |
| Fresno | 4 | 2 | 6 | 16 | 24 | 47 |
| Keeler | 15 | 11 | 10 | 14 | 25 | 26 |
| Bidwell | 18 | 16 | 17 | 31 | 50 | 57 |
| Los Angeles | 29 | 25 | 23 | 26 | 26 | 31 |
| San Diego | 47 | 40 | 38 | 39 | 35 | 37 |
| Yuma | 17 | 22 | 10 | 12 | 19 | 20 |

CLIMATE OF CALIFORNIA AND NEVADA,

WITH PARTICULAR REFERENCE TO THE RAINFALL AND TEMPERATURE,
AND THEIR INFLUENCE UPON THE IRRIGATION PROBLEMS OF
THE TWO STATES.SIGNAL OFFICE, WAR DEPARTMENT, }
WASHINGTON CITY, December 6, 1890. }*To General A. W. GREELEY, Chief Signal Officer:*

SIR: I have the honor to submit herewith, in accordance with your orders and the resolution of Congress, the memoir which has been prepared on the climate of California and Nevada as a conditioning factor of the irrigation problem in the arid region.

In the appendices there will be found a complete presentation of the rainfall and temperature data of the two States, derived from every reliable source and brought down to the date of the inquiry. It was found in examining this material that interruptions existed in some otherwise valuable records. In such cases, where the gap was short, the continuity has been restored by the interpolation of mean values, but it should be said that in these two States there has been little necessity for resorting to this justifiable approximation. Extreme caution has been used in making such interpolations, and wherever they occur they have been clearly indicated by the use of brackets.

Concerning the text of the memoir it may be proper to renew attention to the official position which I have occupied upon the Pacific Coast as aiding me to discuss the climate of the two States from an intimate professional and personal acquaintance, acquired while doing duty on the Pacific Slope. During this time there was published among the papers of the California Academy of Sciences my preliminary review of the Weather Types of the Pacific Coast. The theories somewhat provisionally propounded in that review have been subjected to rigid examination in this memoir; I have, it is believed, supported them by the data as practically proved for the Pacific Slope, and I have advanced the principles, at least, of an interesting climatic theory, which may be provisionally extended over the whole country. I have borne in mind that while the inquiry is expressly directed upon irrigation, the Signal Service can properly concern itself only with the climatic features of the two States, and of these the precipitation in particular. The other climatic features are but collateral to this main topic, and have been considered only to such an extent as is warranted by their influence upon the rainfall. The memoir has been cautiously elaborated, and not a single statement has been presented which does not appear to the writer distinctly upheld by the existing data. Yet, at the same time, it is well understood that at some later period the accumulated record may become so much more representative of the entire region that the present work may be subjected to keen analysis.

In such an event it is trusted that while some of the statements made in the memoir may be found to need modification, the general results will receive confirmation. It may in this connection be well to note that upon an important portion of the area under examination where records of precipitation are wanting, namely, the high Sierras, it has been possible to establish the isohyetal curves with considerable accuracy by Hall's stream-flow records and Russell's study of the existing glaciers.

In fine, it is to be said that all portions of the two States have been discussed with the utmost impartiality, modified only by the amount of the data contributed by each region. The examination of the arable but dry land has necessitated the study of regions of higher precipitation, which, by storage of the river waters, might be made contributory to the lands below.

W. A. GLASSFORD,
Second Lieutenant Signal Corps, Signal Officer and Assistant.

CALIFORNIA AND NEVADA.

Irrigation does not present itself to the Californian farmer and capitalist as a mere experiment, as a problem whose solution demands the risk of any loss of time and labor, as a thing to be cautiously considered and timorously adventured. Here is a State in which all are agreed that the irrigating ditch is the life of the valley, and the only point which at all needs determination is the amount of water available. Here has developed an agricultural population who look upon rainless

NOTE.—The charts have been left out, but the article is none the less valuable, interesting, and instructive.

skies not as a curse, but as the best gift of nature, since they have themselves a control over the weather beyond the reach of men elsewhere. In forty years the flume of the miner has grown into the ditch of the farmer, and brings to light more wealth now than when its stream was directed upon the auriferous gravels. In these forty years irrigation has extended until it may now be clearly seen to approximate that condition in which all the water available is put to use upon the soil, and no more can be obtained. The limit is in sight, even though it has not quite been reached—the limit of water which may be drawn from streams by gravity ditches. The future must deal with other sources of supply and other means of utilizing existing sources.

This is the condition which is seen to confront the future of irrigation in California, and it is with this condition that any must have to do who enter into the consideration of the irrigation problem of this State. In other districts of the so-called arid region, it is necessary to show that the soil will pay the introduction of water, that crops can be made to grow on rainless plains, that in short irrigation is an experiment worth the trying. California, however, has settled all these minor points long since, and now the question is pure and simple to determine what amount of water is available for the irrigation of lands of latent fertility. While other States and Territories are just entering upon the practice of irrigation in its first stage of supply through the gravity ditch, California has nearly passed through that stage and is now looking upon the second stage: the era of water storage on a large scale. The engineer is called upon to show what streams may be stored by damming their flow, to calculate the amount of water which may thus be reserved against the time of need, and in general to fix the limit of available supply. That question is now engaging the careful attention of those to whom it is of vital importance, and they are examining it in all its bearings. In their investigation they find that the economic limit of available water has a direct and close dependence upon the limit fixed by nature. This limit it becomes of paramount importance to determine, and for this determination recourse is had to the Signal Service, which, with its records covering the climatic systems of the whole country, is the final authority.

The economic limit is the ability of the engineer to devise means for catching and restoring the water on the earth, and drawing upon the streams beneath its surface. The natural limit is the amount of water which reaches the earth; in other words, the rainfall. To the consideration of this single point the present inquiry is restricted, save in so far as it is found necessary to examine collateral lines of research, which may alter or condition the amount and character of the precipitation.

At the outset, and before entering upon the more purely climatographic examination, it will be found necessary to devote some attention to the geographical physics of the two States—California and Nevada—which form the subject of the present memoir. This course is necessary, because the land, with its valleys and summits, is not merely passive in receipt of the precipitation which falls upon it. It is an active agent in producing precipitation and in conditioning its amount and intensity. The mode of this activity will be presented in this discussion, together with such statements of its causes as are justified by the available data. It is only by comprehending well the constants of nature in the sea on the one hand and the mountains on the other that one can comprehend

at all the character and amount of the California rainfall and its individualities of annual periodicity.

PHYSICAL GEOGRAPHY.

Two influences dominate the climate of California, radically dissimilar in every particular, combining in ever varying forces to produce the resultant which is recorded by observers of the weather. One is the sea, tending always to charge the air with moisture; the other is the mountain mass, tending always to discharge the moisture from the air. The combination of these two activities in varying proportions is responsible for the variation in the amount of precipitation, including months of drought. It is necessary to consider these two active and determining forces not merely in their resultant, but so far as is possible by resolution into their component forces as well. In the present state of knowledge the resolution cannot be complete, yet the extent to which it can be made affords interesting results.

The Mountain Factor.—The States of California and Nevada abut upon the maximum extension in latitude of the Cordilleran system, by which designation is inclusively implied all those ranges, basins, and valleys, which in a looser description are often spoken of as the backbone of the continent, and considered to include everything from the eastern ranges of the Rocky Mountains to the Pacific Ocean. Between the parallels of 35° and 40°, this system attains not only its greatest breadth, but its greatest general elevation; it extends from eastern Colorado across four States and into the ocean, where but a few miles from the California coast it breaks short off from the continental shelf and plunges to abysmal depths. Not only is its width greatest between these parallels, and therefore productive of its maximum influence upon the general circulation of the atmosphere, but also by the massing of many of its extreme heights within these same limits it exerts such violent influence of perturbation as is due to sudden uplifting of air bodies to great altitudes. Thus, in Colorado there is a chain of peaks, all rising to a height of more than 14,000 feet, of which Pike's Peak is the eastern outpost; Utah and Nevada form the Great Basin on a general level of 5,000 feet; in California the Sierra Nevada has its peaks of 14,000 feet as well as Colorado, and at the very edge of the sea is another range of mountains lower than the Sierras, yet of marked influence upon the climate, and the rainfall in particular. These systems within the limits of the two States now under examination may properly claim more detailed investigation.

The characteristic orographic feature of this region is the Sierra Nevada, and it is as well the predominant climatic instrument both for California, to which it gives the rain, and for Nevada, from which it withholds it. The geographer and the geologist unite in considering this the most interesting and important link in the Cordilleran system, and the climatologist must unhesitatingly, and without reserve, give adhesion to their judgment. In brief description it is a long and elevated mountain chain, on the whole the most conspicuous on the continent. It displays its greatest prominence when viewed from the west, because on this side it falls almost to the sea level, while upon its eastern slope it merges in the general high altitude of the interior plateau. But it does not, however, border immediately on the ocean, since for all its course

there lies between its foothills and the sea beach a chain of lower mountains, known as the Coast Ranges. Although the Sierra Nevada contains one summit higher than any yet determined within the United States, and in general preserves its individual character with more simplicity than any of the Rocky Mountain ranges which form the eastern wall of the Cordilleran system, its altitude is rather under than above some of those ranges.

If the popular limitation be followed, which marks the northern end of the Sierra Nevada at Mount Shasta and its southern end at Mount San Jacinto, the length of the chain may be given at about 600 miles. Such a limitation, based merely on the superficial appearance of continuity of elevation, is erroneous. The really continuous core of the range—that portion which is due to the simultaneous upheaval of homogeneous mountain matter—is marked by Tehachapi Pass for its southern limit, and thence stretches away northerly for 430 miles to Lassen's Peak. Its breadth varies from 75 to 100 miles, and this element displays a certain not entirely fortuitous correlation with the altitude, since each declines proportionally toward the north. The Pacific slope is long and gradual. The eastern slope is characteristically precipitous and short, for the reason that at the elevation of 5,000 feet it encounters and is lost in the general level of the Great Basin. For half a degree north and south from the parallel of 37° the range attains its greatest height, culminating in Mount Whitney with its 14,898 feet. Many peaks come within 1,000 feet of this great height, and the very passes are more than 2 miles above the level of the sea. From Whitney to the north there is a slow decline in altitude, but so gradual is it that the general elevation of 11,000 feet is carried along unbroken for more than 100 miles, almost to Tuolumne County, and the 9,000-foot contour extends still farther north, almost to Lake Tahoe, and the line of track of the Central Pacific Railway at Summit crosses the range at an elevation of a few feet less than 7,000. In the middle region of the range the slope is about 100 feet to the mile, and the slope from ridge to valley is about 70 miles long. A section drawn between Visalia and Owens Lake shows much bolder sculpture. The average slope to the passes is 240 feet to the mile, and to the peaks fully 300, this on the west. The eastern slope at this region displays its greatest bluffness, and falls away abruptly as much as 1,000 feet to the mile between the summit of Whitney and the lake 10,000 feet below.

The western flank of the Sierra is deeply scored by precipitous cañons, narrow at the bottom, steep on the sides, with a slope of 30° , by no means uncommon, and anywhere from 1,000 to 3,000 feet below the general level. With progress toward the north, these cañons become steadily more and more distinctive features of the Sierra. In that extensive area of the north, where volcanic formations have spread with great uniformity over the mountain flank, and form an even and almost level surface, the deep and sharply cut cañons appear in most marked contrast with the plain in which these gorges have been engraved. From Nevada County north the granite core of the range is almost universally overlaid with eruptive material, and comes to light only at the bottom of the deepest of these water-worn gorges. At Lassen's Peak, which has been noted as, in strict definition, the northern limit of the range, begins a level volcanic depression from which Mount Shasta rises 70 miles northwest. North of Shasta the mass of elevation becomes known

as the Cascade Range, and is continued beyond the limits under examination.

Mention has already been incidentally made of the fact that between the foothills of the Sierra Nevada and the Pacific shore line intervenes a series of mountain ranges. These, the Coast Ranges, are sufficiently important in their relations to the precipitation to merit more close consideration. The most important part of the Coast Ranges is that which fences off the great valley of the Sacramento and San Joaquin Rivers from the sea. In this portion of their length, where they may be clearly distinguished from all series of inosculating elevations, they have a length of fully 400 miles, and in width vary from 40 to 70 miles; in this particular it is to be noted that the eastern limit is fixed with considerable precision of definition at a practically constant distance from the western limit of the Sierras; the expansions are uniformly made by encroachments upon the sea. The system comprises a multitude of subordinate ranges, some large and some small, but almost all distinguished by names bestowed upon them during the former Spanish occupation of the country, with a few Indian names yet preserved for characteristic peaks. The general trend of the sub-ranges, as of the system at large, is with a tendency toward parallelism with the coast. In proportion to distance from San Francisco, where the system is broken through at sea level by a gap but a mile in width, the summits and the general elevation are found to be higher, and this is true both north and south. It is remarkable, too, that the ranges south of San Francisco display a much more coherent system than north of the bay. From Mount Hamilton the ridge of 3,000 feet elevation continues without interruption and almost in a right line to the Tehachapi country and its coalescence with the same level of the Sierra system. North of the bay the ranges do not attain this height until far in the north, and in general are much less simple. Between the north and south members of the coast system, and a little east of the gap, Monte Diablo rises as an isolated and commanding peak, and is the most prominent mountain in the State outside the Sierra system.

The inosculation of the Coast Ranges with the Sierra system, both at north and south, is complete and interesting. The heights of the Coast Range which group themselves in Trinity County, about Mount Yallo Balley, swing in upon the Great Valley, and at first through the outlying range of the McCloud Mountains, and later through the main mountain mass enter the Sierra elevations somewhat to the south of Mount Shasta. Topographically the union is complete; it is only by comparison of rock constitution that any distinction can be drawn. The same is true of the southern inosculation in the counties of San Luis Obispo and Kern; orographically it is complete and uniform; geological study alone avails to mark the locus of partition.

A third series of elevations rise to considerable heights in the southern part of the State, and it is altogether uncertain to which of the northern systems it is to be referred, whether it prolongs the Sierra Nevada or the Coast Range. For convenience of reference it may be distinguished as the Southern Coast Range. It contains two members, following different angles. The northern member is drawn southeasterly from the Tehachapi region, where it is attached to the conjoint northern systems, reaching its greatest elevation and maximum width at the San Bernardino Peak; it becomes less important as it is traced beyond, and soon sinks to

comparatively obscure hills upon the desert plain stretching away toward the head of the Gulf of California. From the San Bernardino Peak the second member follows the coast, and develops as the characteristic range of Baja California.

Entirely east of the Sierras, Nevada is included within the Great Basin, except that for a short distance at its southeastern boundary it enters upon the Colorado Plateau, which here has lost many of its prominent characteristics. The Great Basin is a high plateau, upholding many mountain ranges, with a general direction of north and south, and considerable height above the valleys which occur between. As a rule, these mountain ranges preserve their individuality, and at least twenty such masses are to be numbered across the State.

Having thus indicated the orographic skeleton of the country, it comes next in order to examine the valleys infolded between these mountains.

As it is the greatest, so is the Great Valley of California the most important; it frequently takes the names of the rivers which traverse it, and is known in its northern portion as the Sacramento Valley, and in its southern half as the San Joaquin Valley. It is fenced on the east by the Sierra Nevada, on the west by the Coast Ranges, and at north and south by the coalescence of its side walls. Between these walls it has a length of about 450 miles, and maintains the average breadth of 40 miles, taking in the lower foothills, so far as they are available for agriculture, and thus contains some 18,000 square miles. The valley is almost completely surrounded by high mountains, and the only breach in the wall is at San Francisco, midway of its length, and at the water level this gap is less than a mile wide.

In the Coast Ranges are many fertile valleys which vary greatly in size and conditions according to position. North of the bay of San Francisco the valleys of the immediate coast are as a general rule abundantly watered but very much restricted in area. Two such may be mentioned as of greater area than the others—Eel River Valley and the Hoopa Valley of the Klamath and Trinity Rivers. South of this gap the important valleys of the shore are somewhat larger than on the northern coast, but not so well watered, as will appear in the examination of that branch of the subject. The valleys well within the Coast Ranges are far larger and more important, and here again a distinction is to be noted between those north of the bays of San Francisco and San Pablo and those south. North of the bay the valleys uniformly open into the Sacramento Valley, and each has a name which has nearly the value of a trademark in the markets for farm, orchard, and vineyard produce. Such are the Sonoma and Napa Valleys, opening upon San Pablo Bay; Vaca and Capay Valleys, opening directly upon the Sacramento Valley, and north of this latter a series of smaller, or, in the language of the country, pocket valleys. South of the bay on the dry eastern slope of the Coast Ranges not a valley is to be found of any moment. West of the summits are to be found several fertile valleys. Of these the valley of Santa Clara and the Alameda open on the bay of San Francisco, and the valleys of the San Benito and the Salinas open on the Pacific at the bay of Monterey; each is large, and the latter is particularly well watered.

The valleys of the Southern Coast Range are uniformly fertile and of obscure boundaries, and have considerable available area, in which they

resemble the valleys tributary to the Sacramento Valley. Notable are the valleys of Santa Ynez and Santa Monica, the rich valleys of Los Angeles between Cahuenga and San Juan Capistrano, and the equally rich though more distinct valleys of San Diego.

A word has already been said incidentally of the Sierra valleys. Upon the Sierra side of the Great Valley the tributary valleys are in the main small and unimportant; they soon contract upon their available area, and at but a short distance away from their mouths they have assumed the appearance of rugged cañons whose only value to the agriculturist is in proportion as they are found to afford available sites for storage reservoirs. Within the ranges of the Sierras the valleys are for the most part impracticable, and partake of the character which finds its highest expression in the Yosemite Valley. On the eastern face of the mountains the valleys are uniformly cañons of steep grade and denuded bottoms.

Nevada has a peculiar banded system of mountains, and is similarly striated with valleys intervening, which are deep and persistent. These valleys are in general sinks or playas, and their lower portions are frequently occupied by pools, whose size is dependent on the amount of precipitation during the foregoing rainy season. Two such sinks are larger than the others, the sinks of the Humboldt and Carson, and these two are not only upon the same level but often united, and thus mingle the drainage of the northern portion of the Great Basin with the precipitation upon the eastern slope of the Sierra Nevada.

Southeast of the decadent portion of the Sierra system, and south of the Nevada plateau, occurs a considerable area of low desert land, in general less than 1,000 feet of altitude. At one point there is in this desert an area with a length of 60 miles quite below the level of the sea, of which the lowest portion is 263 feet below.

The Oceanic Factor.—This presentation of the mountain masses of the region under study has been made for the purpose of showing what influences may be counted on as constantly exerted to discharge the moisture from the atmosphere. Another influence is constantly exerted to charge the atmosphere with moisture, and this influence should be examined in its turn. It is found in the Pacific Ocean, which washes the entire coast of California, and makes one notable irruption within the continental mass.

The largest of all the oceans—the Pacific—is least subject to perturbing influences of a local character. Its conditions are constant over large areas, its currents both of wind and water are drawn in broad sweeping curves, in which extent of space and time of passage serve to override all mere local or temporary modifications. Thus, it is enabled to present almost the ideal problem of oceanic circulation, and to array upon the climate of California, and in a modified degree upon that of Nevada, a few masses of simple influence which become involved and difficult of study only through the continental disturbances.

Without interruption that part of the North Pacific Ocean which may be considered as modifying the climate of California, stretches away over very nearly 100° of longitude. To the west it is bounded by the extreme Orient, the islands of Japan with their northern projection over the Kuriles to the coast of Kamtchatka and their southerly connections with the Philippines. The northern limit is drawn by the Aleutian Islands, and the eastern border is the shore of North America.

To the south no consistent mass of land appears to hem this ocean in, yet the barrier is none the less strong, because it may be measured only with the instruments of the meteorologist. It exists at the 30th parallel of north latitude. Below this bounding line is the region of the northeast trade wind and the westward drift of the equatorial current, and these two serve sufficiently to bound in wind and water the great basin above.

It is a basin within these limits, a rough ellipse having a major axis of 100° of longitude and a minor axis of 25° of latitude. It has its characteristic systems of circulation both of atmosphere and sea.

The strongly individualized ocean current of the region is the Kuro Siwo. Developed from the cumulative progress of the equatorial drift and directed by the rapid alteration in the plane of the sea bottom and the trend of the Asiatic coast, this warm stream moves across the whole northern Pacific. Occurring in a broader sea it shows several important differences from the Gulf Stream—it has a slower motion, its warmth is not so strongly contrasted with the water through which it flows, and the wind blowing counter to its course frequently avails to deflect it or even check it entirely. Its eastern development and dispersion has been for years a battle-ground for theorists, and even now it is impossible to say definitely that it reaches any part of the Californian coast.

The winds upon this basin are of the system of the passage winds, which are developed upon the surface of the earth by the descent from high altitudes of upper currents. In general these winds vary with the latitude from southwest, westerly, to northwest. It should be noted that these winds begin to appear about the parallel of 30° north, and that at first they are a practically dry wind, but presenting all the best conditions for absorption.

CLIMATIC PHYSICS.

There have been now presented to consideration the two grand factors, which in a broad sense may be said to determine the climate of California and Nevada, and to differentiate the varying climates of the several districts into which the region is divided by nature. This presentation has been made strictly in the terms of physical geography; the inquiry will now proceed to examine the interacting relations of these two factors of the climate, and more especially the rainfall.

The Cordilleran Influence.—The Californian parallels lie entirely within the northern zone of the passage or anti-trade winds, and are therefore under an atmosphere with a uniformly eastern progression as a part of the general system of atmospheric circulation of the globe. The local use of the name trade wind at San Francisco, and to a less degree in other parts of the State, must be commented upon to prevent misapprehension. By common usage the term has been erroneously applied to the strong northwest winds of that vicinity; in connection with the general system these winds are passage winds, and will be examined as such; the local usage is here mentioned in order that it may be clearly stated that it is not followed.

These passage winds have a clear sweep across many thousands of miles of sea, and in all this course they incur no resistance save such as is caused by convective friction due to varying amounts of pressure

within their mass. But the moment they cease to flow over the sea, and begin their course over the continental mass, they are subject to violent perturbations, and present all the features of turbulent motion, its irregular and rapid changes of pressure, its rapid expansion, its sudden alterations of the saturation constants, and variations of temperature. These perturbations must be examined in the light of mountain influence in general.

The wind drawn in from the sea by the general circulation of the atmosphere may be taken to have in suspension the maximum amount of moisture, and, other things being equal, to approximate the saturation amount theoretically to be expected in air of a given pressure and at a given temperature. The only influences which will tend to vary these amounts are due to variations in pressure and temperature, caused by possibly distant commotions of the atmospheric envelope. Advancing upon the land the air current immediately encounters perturbing influences of many sorts, of which these may be mentioned: Friction upon uneven surfaces, convection, caused by radiation from irregularly heated bodies, and vortex motion within the stream, these being influences at work, no matter what the inclination of the surface. Of perturbations due to planes which are at a considerable angle with the horizon, there are these in addition, the development of pressure by transformation of the impact of the air current upon the elevating plane, the loss of temperature by elevation, the alteration of pressure, and the expansion due to the same cause, and the great diminution in the amount of water which may be held suspended. There is further to be taken into the count the variation of the character and amount of the mountain influence due to alterations in its radiation of heat. This variation is seasonal, and follows upon the astronomical change of seasons at a greater or less interval, as conditioned by local circumstances of environment. In brief, it may thus be expressed: When snowclad, and so long as the snow area maintains a superficial extent great enough to affect the air passing over it, the mountain presents its minimum influence of perturbation because the snow is most actively employed in reflecting the incident ray of solar heat, which, in its reflex, as in its direct passage, exerts little effect upon the highly diathermanous air, because the snow has but slight absorptive power, and its conductivity is so small that the mountain is stripped of all the radiating influence, which, without the presence of this screen, would be actively exerted. The air body thrust from behind is forced up the slope, everywhere assuming the conditions normal to the elevation, the isobar, and the isotherm, in which it is found; at the summit the resisting and transforming influence is withdrawn, the vertical component in its motion is lost, the horizontal component regains its full value, and the air moves off in its proper direction at the height to which it may have been thrust, and communicates its motion to the strata below by the constant interculation of contiguous air spaces. The disturbances are all at their minimum, and so is the precipitation.

But when the snow cap has melted away another set of influences comes into operation. The mountain then exposes its utmost absorbent surface, and in consequence becomes a highly active radiating agent. The moving current of air which passed over the surface of snow with the least amount of irregularity is now involved in a series of convective foci, the regular imposition of its strata is completely upset, it is sud-

denly drawn to great heights by these violent updrafts, and its excess of moisture is condensed by the rapid expansion. The period at which this action sets in upon the Sierra Nevada is dependent upon the monthly march of the isotherms under the movement of the sun from north to south. The length of time during which it may continue is modified by local conditions which would need individual examination.

So far the attention has been directed to the passage of the air current over the ridges. That is not the only direction in which its activity is manifested. A column of air moving horizontally against a vertical barrier would be fairly resolved into two components moving, respectively, to the right and left along the face of the barrier. Incline the barrier in the direction of the motion and a portion of the column would pass over, the amount of this passage and its ratio to the horizontally perpendicular currents being greater in proportion to the inclination away from the vertical. This case is presented by the Sierras; part of the wind goes over, part goes south, and part goes north. Thus alone can the circulatory system of the Great Valley be satisfactorily explained.

Two elements in the turbulent motion of the progressive air-flow condition precipitation, not so much in amount as in position. Impact with an elevating plane produces in the air stream an extensive system of eddy whirls and vortex motions, which induce a circulatory system within the mass. The moisture just at the pressure and temperature point of precipitation is then subject to a distributive influence, which diffuses it for a greater or less distance from the condensing mountain range and causes it to appear as a windward rainfall. Similarly, of a rain to leeward of the condensing heights, the amount is determined by the altitude of the ridge, and decreases in the ratio of the altitude. The effective operating causes in this case are two. The first is, that on the weather side of a high mountain range the moisture is largely precipitated before the elevation of the summit is reached, and thus there is absolutely little left to drift over on the leeward side. The second is, that the small amount of rain which is condensed at altitudes sufficiently high to allow it to drift past the condensing summit, is subjected to influences which have a tendency to still further reduce its amount, as it falls into vertical isobars and isotherms, which condition a higher dew point and a decreased precipitation.

These considerations have been presented as general principles. Before advancing to a discussion of their specific and local appearance upon the region under review, it will be necessary to examine in a similar way the principles which hold upon the sea. Having examined the factors of discharge of moisture, some study should be given to the sources whence that moisture is drawn into the air.

The Pelagic Influence.—Regarded broadly as a portion of the general atmospheric circulation of the globe, the passage winds may be held to be practically desiccated at the time when they appear as surface winds. Their former course has been in the extreme upper regions of the atmosphere, in ruling conditions of excessive cold and tenuity, which have served to remove almost their last humidity. Drawn suddenly to the surface at about the 30th parallel, they are in marked contrast with the sea. The sea is warm and in the best condition for giving off moisture, the wind is most receptive, and the amount of humidity which it will assume is mainly conditioned by the distance through which it passes over water surface. In the regions where the wind prevails with south-

western inclination this distance may be easily determined, and will serve as a means of comparing the average amount of moisture received by places on the Pacific Coast. The formula to be applied is this: the distance traversed by the wind is equal to the square root of twice the square of the difference of latitude of the place measured from 30°. This is based upon the theoretical consideration that a dry wind will assume a certain proportion of moisture from every mile of water surface traversed. It must be used with caution, for although it may be proved to be of a general application, it is subject, like all general principles, to the modifying influence of local and temporary conditions, which may avail to override it. Yet, from examination of the annual precipitation chart of the region, it may be shown that this influence does exist, and does exert a considerable activity in governing the amount of rainfall. In this examination it should be said that any annual chart tends to obliterate all local and temporary conditions, and to strongly characterize all features which are general and secular.

In the following table the results of such a general examination are presented. In the first column the position of five critical stations is given to the nearest degree of latitude, and disregarding the difference of longitude which would be subtractive in influence. The second column shows the length of water surface traversed by the southwest wind, computed from the formula above presented. The third column is obtained by using the least distance in the second column as a unit, and computing the values of the other distances relative to it. The column of measured rainfall is taken from the records of the Signal Service. To obtain the values of the theoretical rainfall, the minimum precipitation of the observed series has been assumed as the unit of water carried by the wind, and from this unit the other values have been computed by multiplication with the factors in the second column. The differences are noted immediately following:

HUMID CONSTITUTION, PASSAGE WIND, NORTH PACIFIC.

| STATION. | Traverse | Percentage | Rainfall—Meas- ured | Rainfall—Theo- retical | Difference | First Function. |
|--------------------------|-------------------|---------------------|---------------------------------|------------------------------------|---------------------|-----------------------|
| San Diego, 33° N. | 252 | ..... | 10.26 | ..... | ..... |  |
| San Francisco, 38° | 672 | 2.66 | 28.80 | 27.29 | + 8.49 | |
| Westport, 40° | 846 | 3.36 | 37.84 | 34.47 | - 3.36 | |
| Columbia Bar, 46° | 1,350 | 5.36 | 67.68 | 54.99 | -12.69 | 12.69 - 3.36 = 9.33 |
| Tatoosh, 48° | 1,524 | 6.04 | 94.42 | 61.97 | -32.45 | 32.45 - 12.69 = 19.76 |

It will be noted that while the computed precipitation is in excess of that actually measured at San Francisco, the three succeeding stations show the actual precipitation to be in excess by considerable amounts. These stations are all upon a section of the coast line which has many natural peculiarities to distinguish it from the trend below Cape Mendocino. The column of differences shows that while this theory of the humid constitution of the southwest wind may account for a certain portion of the rainfall, there yet remains another portion for which other causes must be sought. The differences themselves show some

relation to one another, and prove the increment to be progressive with increased northing in latitude. Examine the functions of these differences and this appears distinctly. The difference of the differences Westport-Columbia Bar is 9.33, and the difference of the differences Columbia Bar-Tatoosh is 19.76. The northern function is twice the southern. It becomes a matter of more than mere curiosity to discover what humid influence has such an increment northerly. Here is painfully felt the lack of data, for the oceanography of the Pacific has yet to be written, and even the materials are scanty. But one thing is certainly known, because universally observed, and that is, that within the zone of the passage winds across the great ocean the wind hauls westerly in close ratio to the latitude.

The wind which moves the rain upon the northern Pacific Coast is then not rigidly a southwest wind. It blows from nearer west, traverses more water, absorbs more moisture, and precipitates more rain, and this proves a factor of progressive increment to the north and capable of producing an influence of perturbation such as has been beautifully revealed in the functions of the differences in this inquiry.

Evaporation.—This element introduces a most important factor in the examination of the availability of water precipitated as rain or snow, and at the outset it may be said that this influence attains a great intensity within these limits, and in fact that one of the two culminating points of evaporation is found in the sink of Owens Lake, where the annual amount exceeds 100 inches.

Two systematic series of observations have been conducted within this region. One will be found discussed in the Signal Service Monthly Weather Review for September, 1888. The instrument used in securing these records was an evaporimeter of the Piché pattern, and the observations were conducted from July, 1887, to June, 1888, inclusive. The records of the ten stations which determine this element for California and Nevada are here presented:

| STATION. | Jan. | Feb. | Mar. | Apr. | May. | June. |
|---------------------|------|------|------|------|------|-------|
| Yuma | 4.4 | 5.2 | 6.6 | 9.6 | 9.6 | 12.6 |
| Keeler | 8.0 | 4.6 | 6.8 | 8.7 | 9.3 | 11.9 |
| Fort Bidwell | 0.8 | 1.8 | 1.8 | 4.6 | 5.2 | 4.0 |
| Winnemucca | 0.9 | 2.8 | 6.2 | 9.1 | 9.3 | 10.1 |
| Red Bluff | 3.0 | 4.6 | 5.4 | 6.1 | 7.0 | 6.9 |
| Sacramento | 1.8 | 3.1 | 3.7 | 4.3 | 4.2 | 5.6 |
| San Francisco | 2.7 | 2.7 | 3.3 | 3.1 | 2.8 | 3.1 |
| Fresno | 1.8 | 2.8 | 3.0 | 5.6 | 6.0 | 7.0 |
| Los Angeles | 2.3 | 2.0 | 2.8 | 3.4 | 3.0 | 3.8 |
| San Diego | 2.9 | 2.7 | 2.5 | 2.7 | 3.3 | 2.8 |

| STATION. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Year. |
|---------------------|-------|------|-------|------|------|------|-------|
| Yuma | 11.0 | 10.2 | 8.2 | 8.2 | 5.5 | 4.6 | 96.7 |
| Keeler | 12.8 | 13.9 | 10.6 | 8.8 | 5.9 | 4.8 | 100.6 |
| Fort Bidwell | 3.8 | 3.1 | 5.0 | 4.6 | 2.4 | 1.3 | 48.9 |
| Winnemucca | 11.5 | 12.0 | 9.9 | 6.6 | 3.7 | 1.8 | 83.9 |
| Red Bluff | 11.0 | 10.7 | 10.1 | 10.5 | 5.9 | 3.6 | 84.8 |
| Sacramento | 5.9 | 5.6 | 6.5 | 7.8 | 3.9 | 2.4 | 54.3 |
| San Francisco | 2.4 | 2.5 | 3.3 | 5.0 | 2.8 | 3.0 | 36.7 |
| Fresno | 9.1 | 10.2 | 7.6 | 6.7 | 3.8 | 2.2 | 65.8 |
| Los Angeles | 3.2 | 3.5 | 3.1 | 4.1 | 3.0 | 3.0 | 37.2 |
| San Diego | 3.2 | 3.3 | 2.9 | 4.3 | 3.2 | 3.7 | 37.5 |

From these records, and similar ones obtained at other stations over the country, it has been possible to construct provisional curves of equal annual evaporation, whose value is qualified by the mode of obtaining the record and the limited period of observation. The curve of 100 inches is drawn with close agreement to the floor of the valley of Owens Lake. The curve of 100 inches, on the strength of observations at Keeler and Yuma, is drawn as a narrow loop entering California at Yuma, running along the eastern base of the Sierra Nevada, until just north of Owens Lake it recurves southeastward over the 3,000-foot plateau in Nevada, and enters Arizona a little north of Mojave. The 90-inch curve is given a course very closely parallel to this, but at its northern limb is narrowly projected upon the 3,000-foot plateau of Nevada. The 80-inch curve follows the high line of the Sierras, includes Winnemucca, and returns over the White Pine country in Nevada. The curve of 70 inches is drawn along the southeastern deserts and the western flanks of the Sierra Nevada, swinging northeastward from Red Bluff and beyond the northern boundary into eastern Oregon. The 60-inch and 50-inch curves are drawn upon the Southern Coast Ranges and the extreme length of the Great Valley, whence they pass northeast. The 40-inch curve follows the Coast Ranges and parallels the coast line.

The other series of observations was conducted by the State Engineer of California, at various points in the San Joaquin Valley, seven stations in all. The method employed was to measure the actual amount of water which evaporated from pans in close proximity to the water or land surface. On this account the two systems of observations are not conformable, and no comparison can be attempted. These latter records may be found in William Ham. Hall's "Physical Data and Statistics of California."

CLIMATE AND WEATHER.

There have now been presented the two great superficial factors of the California climate, and an explanation has been given of the general principles most prominently displayed in the activity of each factor. The mechanical resultant of these two influences under higher determining conditions is the climate of California and Nevada, a climate which differs from that of any district within this country, and which, practically constant as a whole, displays equally constant differences between the several natural districts into which the region is divided. Yet before proceeding to the investigation of the several districts and the study of how the influences at work therein are combined in varying proportions, it may be well not to lose sight of the fact that the region has a distinctive climate as a whole, and on this account it will be advisable to present a general review of the climatic characteristics which dominate the whole region.

The distinguishing characteristic of the climate of the region is that varieties of weather endure practically unaltered for days at a time, and even when supplanted by others return again and again, and on each such recurrence are symmetrical with their former appearance, even when they are not practically identical. In this regard there is a wide variation from the conditions which obtain elsewhere in the United States. Nor is this the only difference. Another notable one is that the storms of the Pacific are with comparative infrequency traced across

into the Central Valley and the Atlantic slopes. Another is that the storm frequently increases rapidly toward the north.

When the area of low barometer of considerable depth overlies Oregon and Washington, and probably is central far to seaward, and the cyclonic type appears, its translation eastward is checked, if not prohibited, by the barrier of the Cascade Range and the Rocky Mountains, which here begin to fuse. Held back by the mountain wall and the equally potent barrier of high pressure eastward, the low is kept beating against these obstacles and the high remains steadfast over the Great Basin and the Northern Plateau. While this condition endures, gales are felt upon the Californian coast as far down as Cape Mendocino, and rain occurs in the Great Valley and down the coast to San Luis Obispo. These storms leave the southern part of the State untouched, except when a subsidiary low is developed over the Colorado Desert, when the brief "Sonora storms" occur.

When this low area is shallower, and can be plainly seen to have its center not far out upon the sea, but over Washington, and the high is plainly marked upon the Great Basin, then occur light showers from San Francisco northward, with strong gales at Cape Mendocino; the temperature over the dry area is usually high and occasionally of steep gradients, and in the Los Angeles region the warm Santa Ana winds occur. The rain rarely passes south of San Francisco, except in cases where the definition of the high is so strong toward the south of the Great Basin as to condition a low advancing over the Southern Coast Ranges and back of the Sierras to meet it, then light showers may occur between San Luis Obispo and San Diego.

These two cases have presented the conditions of low pressure over Washington and Oregon, accompanied by rains, which, for the most part, occur in California only in the region north of the southern inosculation of the Coast Range and the Sierra Nevada. When, on the other hand, a high area rests upon the two northern States and the low type is permanent over Southern California, it conditions for California a climatic manifestation of extremely unstable equilibrium, and while this arrangement of the meteoric elements is of frequent occurrence it is often of short duration. When the low is in the north rain falls upon California; when the high is in the north fair weather is a marked concomitant.

During the perfection and greatest intensity in the prevalence of this arrangement, and while the isobars are perpendicular to the general trend of the coast line and the axial inflection of the Coast Ranges and the Sierra Nevada, the Great Valley is exposed to "northers" marked with disastrous desiccating influences. The day temperature is usually high, increasing proportionally to the duration of this climatic type, but at night frosts are of characteristically frequent occurrence. The winds increase toward the south, being light and variable on the Oregon coast, but high gales on the Californian coast. When this type occurs in spring, and is accompanied in Southern California by high winds and sand storms, rain is almost certain to follow. In general, the breaking up of this type is heralded by frosts of more or less severity.

The most severe and general rains of the region occur in coördination with a general climatic disturbance over the whole country. To the eastward there is a series of waves of abnormally high pressure over the eastern guiding planes of the Cordilleran system, reaching thence across the Central Valley and the Appalachian system to the Atlantic

seaboard, and everywhere accompanied by severe storms and intense cold. Upon the Pacific Coast, in correlation with this eastern disorder, the barometer drops very low, and exhibits rapid fluctuations, with remarkable gradients between the coast and the interior, the rain area overspreads all sections, gales are marked with the greatest violence, the rivers attain their high levels and tend to floods; in general, the condition is that of an extensive cyclonic disturbance, which, proving unable to scale the Sierra Nevada, is forced to spread out over the entire length of the coast region, until it gradually wears out with the restoration of climatic equilibrium beyond the range, or if it does move eastward, does so at some extreme point beyond the sphere of observation. In this condition of the weather the rain is precipitated with practical impartiality from Siskiyou to San Diego.

Another rainy condition is found when a diffuse and moderate high exists upon the southwestern coast, accompanied by unusually low temperature, and apparently unaffected either by the presence or the absence of a faint and shallow low on the northern coast. With this arrangement of climatic factors, the isobars are somewhat perpendicular to the coast, a condition almost certain to bring rain, while if these curves of pressure assume a parallelism with the coast line fair weather soon follows. During the prevalence of this condition, there are rains upon the Los Angeles country and the Great Valley, and the winds above San Francisco are feeble, except in the rare instances where the barometer sinks excessively. Should the absolute general pressure fall considerably below the normal, yet retaining the relative high upon the southwestern coast, gales rage in Southern California, with occasional storms of thunder and hail. This condition determines very suddenly by the movement of the high up the coast, and its obliteration as a distinct feature in its progress.

A condition which leads to rains of local character, yet impartially distributed as to occurrence within geographical limits, is marked by a moderate low continued through a succession of days and below the normal over a large area. The isobars are then diffusely disrupted; they are wavy, or inclose several subsidiary lows, occurring over mountain basins with a marked absence of any decided gradients. The winds are variable, the temperature declines, the sky is cloudy, rain comes at intervals, rising under favorable conditions to a gale, which, while quite local in character, sometimes does considerable damage within its narrow limits.

The dry season shows little variation from beginning to end. Rain is almost entirely absent, and the light showers which sometimes occur on the Washington coast only rarely drop down upon a limited district of the Californian shore. Another feature of the season is the development and persistence of marked intensity of the high in Oregon, accompanied with a corresponding fixity of a slight low area over Southern California, creating the characteristic northerly winds which blow down the Great Valley.

Yearly Precipitation.—At this point it will be well to examine the chart of annual precipitation upon the two States, California and Nevada, and to discuss its tracings as the general average of the results of the climatic forces before noted, and as exercised over wide areas. In the examination and review of the monthly charts it will be more pertinent to discuss the rainfall by natural districts of the region in

each of which these constant forces are subject to various local modifiers, which widely yet consistently differentiate the results, and with even greater prominence are ruled by barometric constants of the month, which it will be necessary to figure over the greater portion of the continent before it can be made clear how the correlation and configuration of the atmospheric mountains and valleys govern the climate of the Pacific Coast.

The annual rainfall upon this region may not be dismissed with a few general terms; it offers too many peculiar problems to be lightly considered. On one hand it includes one of the earth's regions of absolute minimum, and on the other it projects far into the region of the greatest precipitation of this country. Nevada, uniform in topography, displays a similar uniformity in its precipitation features. California, of rugged profile, is equally irregular in its rainfall. To follow satisfactorily the distribution of the rain it is necessary to revert to the physical outlines of the country, and to hold in mind the precipitating influence of mountain masses.

The State of Nevada lies entirely below the curve of 20 inches annual rainfall. This curve will, therefore, form a convenient base line to which to refer all other districts for determination of their relative character as arid or watered. It appears upon the heights of the Southern Coast Range, upon the highlands of the Coast Ranges south of San Francisco, branching from the southward to include, east and west, the Salinas Valley, upon the foothills of the Sierras on the eastern side of the Great Valley, and similarly on the lower hills which westerly bound the valley of the Sacramento, it passes out of the land at San Francisco. Below this line is arid California, which at the same time is wonderfully rich in all operations of husbandry; above it is a land which, while better watered, is less available for agriculture. As shown on the annual chart, the arid region may be noted in a few general areas: the Great Valley, the Salinas Valley, the Southern Coast, the Colorado Desert, and Nevada. The regions of higher precipitation are, with considerable precision, regions of greater elevation; the greater rain falls upon extensive summits wherever found, upon the Sierra Nevada, and in a scale of rapid increase with latitude upon the northern coast.

The attention will first be directed to the curves which lie upon the arid region, because it is there that irrigation must be applied, if anywhere, and because the watered region, for the most part unavailable for agricultural purposes, must supply that water of irrigation.

The curve of least rainfall is the curve of 3 inches, which is drawn in a narrow tongue in the extreme southeast of California, on that noteworthy valley of the desert whose floor is below the level of the sea. The curve of 5 inches closely follows this curve of least precipitation until it nearly reaches the Colorado River on its eastern limb, then sharply recurving upon itself it reenters the desert to include Daggett and Fort Cady and bends back to the Colorado River below Needles. A second area of 5 inches, not as yet definitely connected with the former, though such a connection is indicated, begins upon the desert west of Daggett and narrowly extends northward with definite persistence upon the plateau of 3,000 feet elevation, which forms a characteristic trough in western Nevada and extends far enough to include Carson and Humboldt Lakes. A cusp of the curve of the same weight in the northern Bonneville Valley of the Great Salt Lake enters the Territory for a short

distance in the northeast of Nevada, at Tecoma. The same system governs the arc of a 10-inch curve which cuts off the northeast corner of the State.

The general Great Basin 10-inch curve enters the region from the eastward, between the 37th and 38th parallels, closely aligns itself upon the brink of the 5,000-foot plateau to the intersection of the 41st parallel and the 115th meridian; thence westerly along the northern rim of the Lahontan Basin, beyond Pyramid Lake, it advances upon the eastern face of the Sierra Nevada, which it follows southerly to its decline, and then, similarly placed upon the eastern face of the Southern Coast Range at the edge of the Colorado Desert, it passes from the territory and into Baja California. The greater part of the floor of the valley of the San Joaquin, the southern moiety of the Great Valley, is in receipt of less than 10 inches. The limiting curve has a wide sweep along the foothills in all that part of the valley included in the counties of Tulare and Kern; north of Tulare Lake it appears as a strip lying quite east of the river, with its eastern limit just inclosing Visalia, Goshen, Kingsburg, Selma, Fresno, and Firebaugh's Ferry, recurving at Los Baños. The other appearances of this curve upon the region, though well defined, are unimportant by reason of the small area included. These are a narrow seacoast strip, from Tia Juana to the Peñasquitas Creek, including San Diego, the upper valley of the Santa Ana, as determined by the records of Colton and Riverside, and a scanty strip south of the sloughs of the meeting San Joaquin and Sacramento Rivers, determined by the record at Tracy.

In eastern Nevada a narrow loop of 15 inches clings to the north and south valleys of the White Pine Ranges from Pioche to Fort Halleck. The general 15-inch curve of the Great Basin enters upon the northern border at Fort McDermit, sweeps eastward to include Tuscarora, and then swinging sharply back along the upper edge of the Lahontan Basin parallels the 10-inch curve of the same system upon the eastern Sierra face as far as the heights which break away above the Tehachapi Pass. Here, crossing the decadent Sierra Nevada, it enters upon the Great Valley and rapidly seeks the lower contours and comes out upon the level floor of the valley in Fresno County. Thence northward it is the dominating curve of the counties of Merced, Stanislaus, and San Joaquin. Curving westward, a little west of Galt, it incloses the sloughs of Sacramento, Solano, and Contra Costa Counties, and then trails off southerly along the western level of the San Joaquin Valley and begins to climb the slopes at a point west of Tulare Lake, and thus by gradual steps marks the western as well as the eastern wall of the Tehachapi Pass, leaving the intervening breach a passageway through which the San Joaquin dryness unites with the desiccation of the Colorado Desert. From the Tehachapi Pass southward this curve is marked upon the eastern face of the Southern Coast Ranges, and with many involutions follows their direction out into peninsular California. The 15-inch curve of the southern coast system appears from the south along the western 1,000-foot contour of the ranges to the valley of the Santa Ana River, where it sweeps around the 10-inch area already drawn there, and thence follows the coast to Point Conception. Other appearances of this curve are about the valleys of the Salinas and San Benito and on the floor of the Sacramento Valley, in Colusa and Glenn Counties.

The 20-inch curve has already been broadly outlined as the mark of

separation between arid and watered lands. The only addition to its course as there noted is a cusp of the area which appears on the northern line of California, and opens toward the arid lands of eastern Oregon.

The curve of 25 inches crosses the northern boundary of California somewhat west of the middle point. Thence easterly and southeasterly over the counties of Siskiyou, Shasta, Lassen, and Plumas it assumes a position near the crest of the Sierras closely paralleling the 20-inch curve as far as the headwaters of the Kern River. Here it returns northward upon the foothills of the Sierra, gradually seeking lower levels as it advances up the Great Valley to include Red Bluff, whence it returns upon the western wall southerly until it leaves the region through the Golden Gate, after having encircled the Sonoma Valley. Disconnected systems of this curve appear as follows: Inclosed within areas of higher precipitation, a small 25-inch loop at Ukiah and the upper Russian River included in a 30-inch area overlaid upon areas of lower precipitation, on the Southern Coast Range in the vicinity of Julian, where the rain amounts to more than 37 inches, upon the San Bernardino Peak, upon the highlands of Ventura County, upon the mountains in San Luis Obispo County, on the heights of the Coast Range from San Benito to Mount Hamilton, where the precipitation reaches 35 inches. Another area of 25 inches rests upon the southern part of the peninsula of San Francisco, with two foci of great activity on the watershed of the San Lorenzo and Boulder Creek, where 86 inches is measured. Yet another such area covers the hills which part Alameda and Contra Costa Counties, and determines the moisture of Oakland, Berkeley, Alameda, and the towns as far as the Niles Cañon.

The 30-inch curve closely follows the Sierra heights in the path noted for the 25-inch curve, but turns northward at the source of Kings River. It, too, finds considerably lower levels as it is drawn up the Great Valley, and is under a thousand feet where it recurves at Anderson, in Shasta County. Thence it follows southerly the Coast Range almost to San Pablo Bay, projects a narrow northward tongue to include the Sonoma and Russian River Valleys, and passes out to sea by Mount Tamalpais.

The first particular in which the curve of 35 inches materially varies from the next lower, is where it crosses the Sierra on a lower altitude but somewhat higher latitude. The consistency is well marked all around the head of the valley, which it crosses at Redding, and no deviation from the usual path appears for some distance along this course, until after including Lake County it loops around Ukiah and passes southeasterly out of the State at Point Arena. Between this point and Point Bonita is a mountainous coast included in the general 30-inch area but having its own group of isohyets, which rise to the height of 50 inches, and are not conformable to any other system of rainfall curves.

This new path is generally followed by the 40-inch curve crossing the Sierra still farther north, and passing out to sea north of Point Arena. With the 45-inch curve further changes are introduced into the characteristic path. The passage of the Sierras is accomplished much farther north, as is shown by the increased flow of the Tuolumne and Stanislaus Rivers, which head thereon. After crossing the valley somewhat north of Redding the curve becomes involved in the valley of the upper

Trinity River, and again in Round Valley, but passes out well south of Mendocino.

The 50-inch curve sets somewhat of a new course in entering over the northern boundary, for it runs well into the Klamath Valley to include Orleans, but soon regains the general trend along the Sierras, turning north at the headwaters of the Mokelumne and Cosumnes Rivers. In Nevada and Yuba Counties it recedes from the valley along the two forks of the Yuba River, but soon returns to the prevalent direction of the lower curves, which it follows out with all its involutions, and reaches the sea at the mouth of the Navarro River.

This new course thus instituted in the Klamath Valley is followed by the 55-inch curve, which joins the general sweep, except that it cannot be traced on the Sierra Nevada farther south than Sierra County. After making a partial circuit of Round Valley it swerves from the southern Mendocino path which the four lower curves have followed, and, almost reaching the coast on a northwest course, is retracted about the sources of Eel River, and thence emerging resumes its northwest course and leaves the land at Trinidad Head. There is thus cut off a segment of coast between Trinidad Head and Mendocino City, whose observed isohyets furnish scope for interesting local study not possible within the limits of this paper. Thus, at Fort Bragg and Westport it is necessary to draw the curve of 45 inches, and by consequence still farther inland the 50-inch curve which passed from the land at the mouth of Navarro River, yet as the distance is but small these lines may be considered as continuous at sea and as reëntering. This arc of the 50-inch curve then is drawn to follow the curve next higher upon the headwaters of Eel River, and passes definitely to sea just south of Trinidad Head. The 45-inch curve is continued across the point and emerges at Eureka. Fort Humboldt locates the curve of 40 inches and Humboldt Light the curve of 35 inches, which may be looked upon as continued at sea from the curves of the same value which reach the sea at Point Arena. This is all the more probable by reason of the non-conforming curves of the coast region immediately south, which point to some seaward perturbation. Last of all the very tip of this projection at Cape Mendocino locates the curve of 20 inches. Since the 20-inch curve in the general system of the region has definitely emerged at the Golden Gate, this curve and the higher ones necessary to fill the interval may be drawn as mere concentric cusps. In this same region appears the anomalous record of 87 inches at Upper Mattole, which, however, seems well established and reliable.

The curve of 60 inches is the highest one which makes any considerable appearance on the region. It enters from Oregon in the valley of the Klamath and passes out to sea north of Trinidad Head. The greater portion of the curve is a disconnected and closed loop which reaches down the Sierra Nevada as far as Indian Valley, in Plumas County, into the Great Valley as far as Delta, and down the Coast Ranges to Mount Yallo Balley. Upon this area appears a precipitation of 90 inches at Berryvale, within the sphere of the Mount Shasta influence. In the extreme northwestern corner of the State curves are sufficiently well indicated as cutting off successively small areas up to 82 inches of annual rain at Crescent City.

From this it will appear that the least rainfall is upon the Colorado Desert in extreme southeastern California, and the greatest is corre-

spondingly extreme in the northwest; that Nevada, the Great Valley, and the southern coast are the regions of insufficient rain; that the fall increases progressively with height upon the Sierra Nevada, less distinctly so upon the Coast Ranges, and upon the northern coast the increase is more with latitude than altitude.

DETERMINING CAUSES OF CLIMATE.

Up to this point in the inquiry it has been sufficiently accurate and precise to examine the rainfall as broadly conditioned by two opposite influences—the precipitating value of summits of elevation, and the supply of moisture by the wind currents blowing in from the sea. But as soon as the student leaves the annual record of rainfall the inefficiency of these conditions becomes immediately apparent. If they were the only causes, the rainfall would be practically continuous during every month in the year.

The most cursory examination of the monthly charts, without a single word of explanation, shows California to have but two seasons—one rainy and one dry—with more diffuse conditions over Nevada. It is thus evident that one or both of these causes is intermittently operative; that it can work only during a few months of each year. It will be interesting to see which it is of these powers that is shut off, and it will be still more interesting to discover how it is shut off.

The Cordilleran influence has been summarily presented in this paper under its proper title, and more extensively argued in the similar memoirs on Arizona and New Mexico. It is a power constant, immutable as the mountain masses which condition it; it is ever active. Whatever atmosphere is forced against these permanent guide planes must ascend; it must become cooler; it must become less dense, and the loss of heat and the expansion must rob it of all moisture which it may happen to carry in excess of the point of saturation at that temperature and pressure. This must go on whenever atmosphere meets mountains. It is seen to be active during certain months of the year on the Pacific Coast; during certain other months it would seem as though it had no existence.

But how may this be? When the Cordilleran influence should on *a priori* grounds be at its maximum it is found to yield no results. The only explanation possible is that the air thus elevated is too dry to precipitate moisture; that its absolute humidity is so low that when the mountain has cast it up to the greatest height within its chimney of convective influence, when it has reached the lowest temperature, the lowest pressure, and the highest degree of expansion, the humidity is still below the saturation point predicated on those factors, and no precipitation can occur, nor even a cloud form, and those who, from the parched and baking valleys look toward the shining Sierras, know that the white cap is snow—not cloud. This influence, then, is permanent; the change is in the moisture of the air. Yet there is equal permanence in the power of dry air passing over leagues of sea to absorb moisture. It is not supposable that this natural force is extinct during certain months of the year and efficient during certain other months; nature does not thus sport with her fixed laws. It is clear that the moist winds and the desiccative mountains do not come together; some cause in nature intervenes to keep them apart during the dry summer of the Pacific Slope and the more intermediate region of the Great Basin.

Of what nature, then, may this so powerful force be? To discover that the inquiry must leave mere local considerations and examine the climatic constants of the whole country.

Four points are found to be correlated in a mutual influence upon the climate of the continent; three are always apparent; the fourth is sometimes indefinite in either ocean, or the regions north and south where no meteorological stations are situated. These four points are two areas of low barometer and similarly two areas of high barometer. Their positions relative to one another and to the earth beneath determine the climatic conditions of any period, be it day, week, month, or year. In one group of positions of these four points the storms have an easy sweep to bring rain across the country; in another group of positions every obstacle is put in the path of storms. Before discussing what these groupings are a word is to be said which shall bring clearly before the mind what a high barometer is and what a low, not for students of meteorology, who know these matters well, but in such popular terms as may convey a fairly accurate idea to those unfamiliar with the physics of the atmosphere.

Over every point of earth stands an air column of uncertain height. The weight of this column of air is registered by the barometer, and from the weight an idea is obtained of the height. A high reading of the barometer at the earth is the surface indication of a high air mass overhead. By grouping these surface indications it is possible to form an idea of the upper surface of the air with high peaks and ridges over the areas of high barometer on the earth, and valleys and depressions corresponding to the areas of low barometer. In effect a barometric high indicates an atmospheric mountain, the steepness of whose slope is exhibited by the close or diffuse assemblage of lines of equal pressure, and the barometric low as surely indicates an atmospheric valley, gorge, or basin according as its sides are steep or easy.

These mountains and valleys direct the flow of atmospheric currents, which always seek the line of least resistance, and therefore must flow in atmospheric depressions. The leeward side of such an air mountain must then be a place of security against the storms, a region of clear weather, and such it is found to be. The general movement of the storms is known to be easterly. If the valleys extend east and west the storm has a free passage, and converts none of its force by beating against obstacles; it carries its severity to all parts of its course. But revolve the axes of the atmospheric convolutions through 90° , place the ridges of high elevation in a north and south direction, and therefore athwart the storm track; the storm is held back by the height, it must follow valleys to the north and south until it can find a gentle slope over which it may pass on its eastward course, but shorn of much of its power by the attempt to overcome the restraining conditions. This revolution through 90° is an operation which nature performs at apparently regular intervals, impelled by causes which are beyond our comprehension; certain conditions are observed, the efficient agencies are hidden deep in the unfathomed mysteries of cosmic physics. From study of long records of barometric pressure this will plainly appear. By comparison of the mean daily readings of the barometer it is possible to obtain a record of the monthly mean contour of the atmospheric surface. By composition of the means of the months in each of a series of years it is possible to obtain a secular mean which becomes more and more reliable

in proportion to the length of the series of the years thus composed. The propriety of this consideration by monthly periods will be seen from the fact that a month is not merely an arbitrary division of time, but is dependent upon the sun's apparent position, which is also a factor in climate. The series of monthly means of barometric pressure will now be examined to discover the correlation of the four determining areas already mentioned, the two highs and the two lows, which usually overlie the United States.

In March the two highs are thus placed: One on the valleys of the Missouri and Red River of the North, extending northerly to Winnipeg, the other resting on the South Pacific Coast, or from Cape Mendocino south. As determined by these points, the two lows are found, one resting on the extreme northwestern coast, the other drawn upon the southern part of the Great Basin, covering most of Nevada and Utah and considerable adjacent areas of Arizona, New Mexico and the sunset slope of Colorado. April shows the high, which was somewhat narrowly marked in the Missouri Valley the month before, now broadly outlined upon the whole Central Valley, and the Pacific high, strongly marked at the coast line. Between these the lows are marked, one of broad outline upon Montana and its northern neighbors, Alberta and Assiniboia, the other narrowly restricted to the southern part of the Great Basin, and opening seaward down the Colorado Valley.

This type, once assumed, is fairly permanent for several succeeding months. Not only is one month similar to that which preceded it, but in each month after the type has been momentarily deranged by the passage of some violent area of low barometer—in other words, a storm—the conditioning barometric constants rapidly reassume the arrangement normal to that month. While this type is fairly permanent, there yet occur alterations of some of the elements, which seem to follow an harmonious low. The high upon the Pacific is of strongly marked persistence upon the extreme continental verge, and advances but little inland. The low upon the Great Basin scarcely varies in its characteristic shape, and moves but little from its position upon the Colorado Valley and the southern portions of Nevada and Utah.

The harmonic variations of the type are confined to the swinging in and out of the eastern and northern members, and in this it would seem that the eastern high was the active agent. In April it was found to overlie the Central Valley, with the northern low dipping into Montana. May discloses the high upon the Appalachian heights, and its functional low withdrawn quite distinctly into Alberta and Assiniboia. In June the high has swung back upon the Central Valley, and the low is found across Montana, North Dakota, and Minnesota; that is to say, somewhat east of its April position. The eastward swing of the high in July carries it still farther east than in May—it is found upon the southern Appalachians and the South Atlantic and East Gulf Coasts; the low has again gone north and rests upon Assiniboia and Manitoba. The August westward swing of the movable high carries it upon the Central Valley as a pointed range of elevation with easy gradients, and the low is scarcely distinguishable as having reentered from the north. This marks a definite conclusion of this type.

In the August type there just begins to be perceptible an encroachment of the North Pacific high upon the land. It is scarcely measurable,

yet it exists as the precursor of the transitional type which now follows. This begins with less extensive movements of the four elements. The pendulum movement of the eastern high has ceased. It no longer swings eastward, but spreads out upon the Appalachian ranges, and is well marked upon the whole Atlantic Coast; the northern low, which was practically obliterated in the smooth August curves, is again marked over Manitoba; the southern low has retracted from the southern Great Basin and appears restricted to the Colorado Valley; the Pacific high definitely cuts the coast line in the direction of the movement which began to appear in August, and now overlies Washington, Oregon, and adjacent areas in California and Idaho.

Thus may be described the September type. That for October is similar, and in it the only movement discernible is the slight drawing together of the two highs. The lows remain as placed for September, one resting in broad outlines upon Manitoba, the other narrowly confined within the lower valley of the Colorado. The eastern high is drawn north and south over the Mississippi Valley, and the Pacific high has advanced inland to cover more of the area affected in September. It is an expectant poise; the four elements have come to rest; their internal balance is complete; their forces of attraction and repulsion neutralize one another; the situation is such that any efficient force which would avail to move them at all will move them as a unit.

That movement November discloses. The fact of integral movement plainly appears—the causes must be looked for in the great principles of solar physics. The subject opens a wide field for close study. It is so wide that it removes itself from the limited scope of the present inquiry. The climatic constants have been moved in longitude; they have been shoved eastward by 20° of arc. Upon the Pacific Coast, to which this examination must be restricted, the effect is precisely similar to that which would have been produced by a revolution through one quadrant. The Pacific high, which began to creep upon the land in August by almost imperceptible movements, now rests upon the Great Basin; it extends over southern Idaho and northwestern Colorado. Its concomitant lows appear north and south upon the Pacific Coast, on western Washington and northwestern Oregon, and on southern California, respectively.

From one permanent type the transitional rest has developed a second type equally permanent. The record of the next succeeding months is easily read. The conditions of November endure through December and January; the high persists upon the Great Basin; the low on the Pacific remains permanent in western Washington; the second low on the Pacific has a progressive motion eastward, of slow rate. In February the high and the northern low remain in their typical positions, but the imminence of change appears in the southern Pacific low, which has definitely passed eastward from the coast, and is now sharply marked as of narrow extent upon the lower Colorado Valley.

March conditions then recur, and round out the year. The low, which slowly moved in eastward from the Pacific, and clung in February at the head of the Gulf of California, has now moved up to a position upon the southern portion of the Great Basin. The eastern high, which has been disregarded during the continuance of the type just vanishing, now moves westward to a position upon the Missouri Valley, and the high of the Great Basin has moved out upon the North Pacific Coast.

The relations of these four elements condition these four periods here set forth, two permanent types and two periods of transition. The summer type of a high upon the Pacific Coast, and another on the Great Valley, and two lows between, endures from April to August. The winter type, exemplified on the Pacific Slope by a high upon the Great Basin and two lows upon the coast, endures from November to March. The transition periods are, respectively, September, October, and March. These periods are, with close persistence, the periods of rain and drought in the region under examination. When the summer type has attained its greatest permanence, the drought is most intense; when the winter type is most firmly established, the rainfall is at its greatest. The two transitional periods are rainy or dry according as they partake of the character of the type which precedes or which follows them. Thus, if during the September and October period there is a frequent assumption of the winter type, the rain comes early; similarly, if winter conditions persist in March, the rainy season is proportionally prolonged.

It will now be in order to examine the monthly charts of precipitation upon California and Nevada, discussing each in the light of the climate types just presented.

September.—For the purpose of securing as an initial point the closest approximation to agreement between the actual conditions of rainfall as noted upon the monthly charts and the theoretical rainfall conditions as predicated in the foregoing discussion, the examination of the serial charts will begin with September, the beginning of the period of transition from the dry summer to the rainy winter type. In this type the eastern high rests upon the Appalachian ranges, the Pacific high has begun to lose that permanent insistence upon the very line of the shore which has marked it for many previous months, and now encroaches upon the land to a considerable extent. Of the pair of intervening lows the northern one rests upon the northern boundary of the United States, sinking over Manitoba; the southern one has drawn down from the Great Basin to the narrow limits of the Colorado Valley. During the intensity of the preceding period of drought there has yet been enough rainfall to warrant the drawing, even in July and August, of a monthly curve of 1 inch over Puget Sound and the country south as far as the mouth of the Columbia, and including a restricted area of 2 inches upon the extreme northwestern corner of Washington at the mouth of the Strait of Juan de Fuca. In September these areas have extended; the 1-inch curve reaches east of Puget Sound and down the coast as far as the southern boundary of Oregon at the ocean, including an area of 2 inches nearly as great, and well-defined occurrences of 4 and 6 inches at Juan de Fuca. This rain within the area of high barometer is susceptible of explanation on the ground that the permanent character of this high is breaking up. It is therefore weaker and more easily affected by the approach of seaward lows; at the poorly defended spot the moisture of the sea finds opportunity to fall upon the land. But, for the present, that breach is but small; the influence of the rains there admitted does not yet reach California.

The September chart of California and Nevada does not contain a single instance of the occurrence of the 1-inch curve capable of coördination with the system of the upper coast. The records showing an inch or more are very few. The five-year record of 0.84 at Crescent City shows that the 1-inch curve falls short of the Californian coast, and the

three-year record of 1.39 at Christmas Prairie, near by, is to be examined in connection with its valley environment, which will tend to give it more rain than the average of its district at times and less at other times, and just these characteristics appear in the twelve monthly averages of precipitation recorded at that station. The record of 1.19 inches at Berryvale is but for a single year, and should therefore be excluded from any consideration of means. Two records occur of a separate type—Meadow Valley, with 1.53 inches as the mean of three Septembers, and Cisco, with 3.42 inches average of twenty years. These are both upon the high Sierra, and show that the mountain influence is by no means dormant, and that just as soon as the moisture has any chance to drift in upon them from the sea they manifest their efficiency at once. Two remaining records, a twenty years' average of 1.17 inches at Elko, and 1.02 inches for the mean of two years at Fenelon, are the indications of a difficult problem. The two stations are close together in northeastern Nevada, in the same valley, in fact. Yet they are not conformable to equally valid records in their vicinity, and not apparently correlated with any systematic precipitation; while as for local determining influences such must be very obscure as between Elko and Halleck. A third non-conforming record is found in the 1.03 inches mean of three years found at Camp Winfield Scott, also a station in northern Nevada, but little south of Fort McDermitt.

The Great Valley shows a slight difference between its two members, the records ranging a little higher along the Sacramento than on the plains of the San Joaquin. The southern coast, the Colorado Desert, and western Nevada show very low records—in most cases less than one tenth of an inch. Eastern Nevada, on the strength of six stations, the longest of which covers four years of observations, must be considered as in receipt of one half inch of rain during the month, which plainly appears as the remnant of the *temporales* or summer rains of Arizona and New Mexico, which in August have prolonged their diffuse influence thus far north and west from the mountain regions where their greatest intensity has been manifested. This may be connected, in some way not yet clear, with the anomalous precipitation of Elko and Fenelon.

The records for the principal cities are as follows: San Francisco, 0.16; Oakland, 0.26; Los Angeles, 0.04; Sacramento, 0.14; Stockton, 0.07; San Diego, 0.07; National City, 0.29; San José, 0.12.

October.—Proceeding from this period of general drought, the second month of the transitional period of poise may be expected to present a certain proportion of the conditions of the type about to succeed. The eastern high, which has been the moving member of the summer type, has come definitely to rest and the Pacific high has become movable, and in general is drawn farther upon the land in Idaho, Washington, and Oregon. The lows remain as before, but the slope upward toward the two highs has become much less steep. The instability of the Pacific high conditions more rain upon the northern coast, because the moist air from sea has more opportunities to reach the land, and by the feeble resistance is less rapidly beaten off again. The curve of 1 inch extends from the northern boundary along the central meridian of Washington and Oregon; includes the whole width of California north of the 40th parallel, and is carried conspicuously down the coast. The curve of 2 inches paralleling the lower one with no great interval follows the coast line almost to San Francisco. The curve of 4 inches appears on the

coast region of Washington and Oregon, except for a narrow gap below which it reappears on the shore line between Trinidad Head and Eureka. The whole immediate coast of the northwest from Coos Bay to the Strait of Juan de Fuca receives 6 inches. In connection with these conditions the chart of California and Nevada during the month of October shows some interesting features, which will appear in the closer examination given it in the present memoir.

The 1-inch curve displays a tendency to assume a position upon the area shown by the annual chart to be the region of maximum precipitation, and this tendency is well developed though somewhat interrupted. The continuous curve of this weight marks the southern limit of this rain area, as follows: Entering Nevada slightly west of its northwest corner, it is drawn irregularly west across the State and into Lassen County, in California; thence emerging southeastward into Nevada, it narrowly includes Reno and the basin of Lake Tahoe, and passes definitely into California, leaving Mono Lake upon its dry or eastern side; crossing the Sierras in the country of the Yosemite Valley, it rapidly descends westward and appears on the floor of the Great Valley a little to the north of Stockton; thence northerly on the eastern side of the valley it clings closely to the 100-foot level, on which it crosses the Sacramento Valley, near Princeton, and descends southerly on the same level toward the bay, along the north shore of which it is drawn, with loops into the Napa and Sonoma Valleys, leaving their floors as well as San Pablo Bay on its dry side, and thus approaches the Golden Gate from the north and on the eastern slope of Tamalpais. From Sausalito it crosses the bay eastward to the Contra Costa, and, looping over the hills and the Alameda Valley to the Arroyo Hondo and Sunol Glen, returns westward at Dumbarton Point across the bay to San Mateo County. After including on its dry side a small area of the leeward side of San Francisco peninsula, it returns eastward across the bay to include Milpitas and narrowly exclude the Alameda between the Santa Clara and San José; thence excluding Menlo Park, it runs upon the Santa Clara Valley to the heights east of the Salinas, and there recurs northward over the bay of Monterey, to pass from the coast at Pescadero. Disjointed areas of this amount of rainfall appear upon the region.

The White Pine country in eastern Nevada is embraced within a curve of 1 inch which is drawn about Hamilton, Eureka, and Forts Ruby and Halleck. The southern portion of the Coast Ranges receives an inch of rain all the way from the Tehachapi Pass northward almost to Monterey on the immediate coast, and to Mount Hamilton on the valley side, leaving between this area and the southern face of the general equivalent area a narrow gap. Upon this area is superimposed a 2-inch curve, which includes Templeton and the headwaters of the Salinas in its northern reach, and southerly covers the Sierra de San Rafael and the sources of the Cuyama River, exhibiting the one-year record of 10.85 at Santa Margarita. A small area of 1 inch is authorized in central Los Angeles by the record at South Side. The coast portion of the counties of Los Angeles and Orange is included within a seaward loop of 1 inch, which enters the region through Santa Monica and leaves below Santa Ana.

A closed loop of 2 inches is indicated on the Coast Ranges from Point Arena toward Tamalpais, rising to the height of 3 inches at Fort Ross. A more diffuse area of the same weight is drawn over Napa, Lake, and

western Yolo Counties, with a focus of a higher precipitation at Rumsey's, which authorizes the drawing of a 3-inch curve within. The 2-inch curve of greatest continuity enters California at the northwest corner, leaving Camp Lincoln on the minus side, and immediately swings into position upon the area of maximum annual precipitation, passing eastward north of Mount Shasta and southward east of that peak, including as its limit, toward the east, Indian Valley and Summit, before recurving on the high Sierras at the sources of the Mokelumne River; thence seeking lower levels it crosses the upper Sacramento Valley somewhat north of Red Bluff. Upon the Coast Ranges it is drawn about Round Valley and passes out to sea immediately north of Cape Mendocino.

The 2-inch curve appears upon this area in four branches. The most distant is a diffuse area, bounded westerly by Iowa City and Shingle Springs, and easterly by the high level of the mountains. The second is a restrictively local area, authorized by a four-year record of 3.79 at Anderson. The third is a general area upon the Coast Range section of the region of maximum annual precipitation, upon which there are to be inscribed two local 4-inch areas at Berryvale and Delta. The fourth appearance of the curve is in direct continuation of the typical system of the coast; it is drawn from north of Crescent City, closely parallel to the coast, to include Arcata, Eureka, and Humboldt. The curve of 4 inches must closely accord, though emerging north of Humboldt Bay, for the parallel curve of 5 inches, the maximum for the month, is definitely fixed upon the shore by the records of Crescent City and Fort Ter Wah, a short distance up the Klamath River.

The records for the principal cities are as follows: San Francisco, 0.98; Oakland, 1.60; Los Angeles, 0.82; Sacramento, 0.79; Stockton, 0.50; San Diego, 0.34; San José, 0.80.

November.—With this month the winter type is definitely assumed over the whole United States. The high, which has slowly crept in from the northwest seaboard, now dominates the entire Great Basin, with a general barometric slope of easy gradients toward the Atlantic Coast. Upon its Pacific face the slope is much more steep toward the slightly distinct lows which rest upon the extreme northwest and the extreme southwest. The barrier which for the summer months has kept out the pelagic humidity has now been forced back, and the rain comes in all along the line, and the rainy season may be said to have fairly begun. The characteristic system of precipitation on the Pacific Slope as a whole shows the entire coast to be in receipt of 1 inch, which area on its dry side is bounded by the Southern Coast Range and the Sierra ridge in California as far north as Owens Lake, thence along the California and Nevada boundary line to cover Idaho. The 2-inch curve covers the coast south of San Francisco, and then becomes broad enough to include the width of California and the western halves of Oregon and Washington. The 4-inch area nearly covers Northern California, the Willamette Valley, and the Puget Sound region. The 6 and 8-inch curves are strong upon the Northern Coast Ranges and the upper coasts. As forming a part of this system, the November isohyets of California and Nevada are to be studied more closely.

The area of less than 1 inch of rain comprises all but a small portion of Nevada, adjacent California east of the Sierras, the Great Valley south of Tulare Lake, and the Colorado Desert. The 1-inch curve is drawn as

entering the region from the north across the boundary line in the Quinn River Valley of Nevada. Thence, running southwesterly to Honey Lake, it follows down the State line, swinging out to include Lake Tahoe on its humid side; recurring once more to the course of the State boundary, it passes decisively into California through southern Mono County, and maintains a position upon the eastern face of the Sierras to the Tehachapi Pass. Here it recurves upon the western face of the mountain, and rapidly seeks the low level of the valley, which it crosses at the northern margin of Tulare Lake, and in a general upward sweep upon the valley face of the Coast Ranges soon reappears over the Tehachapi Pass, but now on its western height. From this point it follows the desert side of the Southern Coast Ranges to the more moderate contours of San Bernardino Peak on its southeastern prolongation, which it crosses, to assume a similar position upon the other member of the system. The slight recorded amount of rain at Point Conception exhibits a trace of a peculiar condition of precipitation upon headlands, which is even more prominently shown at Cape Mendocino.

The 2-inch curve first appears on the northern boundary east of Fort Bidwell, and below Honey Lake; parallels the lower curve until it crosses the range at the headwaters of Kern River. Slowly attaining lower levels on its northward course it crosses the central portion of the Great Valley, including Sacramento as its northern limit, and upon that level plain runs about San Pablo Bay on its north and west sides, looping in over Oakland and Alameda, on the San Francisco peninsula, close to its bay shore, crossing San Francisco Bay, to include Newark, San José, and New Almaden, and thence passing out to sea on the north shore of the bay of Monterey. The disconnected areas of 2 inches are here presented in their order from the south. It will be seen that while the intervals are well established, they are yet so narrow as to scarcely interrupt the continuity of the system. From Baja California a loop reaches up the Southern Coast Ranges to the southern line of San Bernardino County, and is bounded westerly by the 2,000-foot contour. A smaller area is found on the San Bernardino Peak, reaching southerly to include Banning and Beaumont. Over the counties of Santa Barbara, Ventura, and Los Angeles a third 2-inch area is drawn, which includes, close to the coast, a narrow 3-inch area from Santa Monica to San Buenaventura. A far more considerable area exists upon the Coast Ranges, on each of the members, as far as Monterey along the coast, and Mount Hamilton on the valley wall. Upon the Santa Lucia Mountains of this system is found an area of 3 inches. A series of stations upon the central level of the Sacramento Valley, all of which amount to more than 1 inch, and less than 2 inches, condition the drawing of a bounding curve. Upon the general 2-inch area a region of far greater precipitation is found upon the Santa Cruz Mountains. Here the rise in rain amount runs rapidly up to 10.32 at Boulder Creek.

The curve of 3 inches enters California north of Yreka, and may be drawn sharply across Siskiyou, Shasta, and Lassen Counties to include Susanville, where it joins the southern sweep of the system. It crosses the Sierra at the head of the Kaweah River; does not reach the valley until Rocklin; crosses westward just north of Tehama; returns upon the western side to include Winters, whence it is drawn in an excluding loop about the Vaca Valley, and then high above the Napa and Russian River Valleys, on their eastern wall, it recurves for a short southerly

stretch below Ukiah; passes seaward at Point Arena; dips in again to include Fort Bragg; cuts off upon its dry side the point of Cape Mendocino, and finally passes out. The only disconnected branch of this curve which has not been commented upon is found on the coast barrier of Marin and Sonoma Counties from Bolinas Bay to the mouth of the Walalla River, a region of anomalous precipitation.

The 4-inch curve, entering the region from the north at the 123d meridian, includes Scott Valley and Dunsmuir, and joins the common sweep down the Sierras, which it crosses at the source of the San Joaquin. On moderate levels it includes the Sacramento as far as Redding, and returns south upon its western wall as far as the Capay Valley; thence it moves toward the coast, which it narrowly skirts in Mendocino, and passes out to sea just north of Humboldt Bay.

The curve of 5 inches is immediately concentric within the lower curve for the greater portion of its length. It crosses the Sierra at the Yosemite Valley and returns toward the heights in a narrow loop closely confined to Bear Valley, which it penetrates as far as Emigrant Gap.

The curve of 6 inches is parallel with the 5-inch curve, crosses the Sierra in Nevada County, the Great Valley below Delta, the Coast Range at Lake County, and returning northward goes out to sea over Trinidad Head. The flow of the streams is argument for the provisional drawing of a curve of this weight upon the heights from El Dorado to Tuolumne County. For the like reason there may be provisionally indicated 7 and 8-inch curves in Plumas and Lassen Counties.

The highest curve drawn upon the distinctive mountain area of greatest precipitation is that of 7 inches, which yet reaches but a short distance down upon the Sierra. More prominently displayed on the Coast Ranges it leaves the coast at the mouth of Redwood Creek. The higher curves are all drawn as entering from the northern boundary close to the seaboard, cohering more or less closely to the valley of the Klamath River, and running out upon the ocean near its mouth. Crescent City conditions a 10-inch curve upon its landward side, and the maximum record of 12.71 is found at Fort Ter Wah.

The records for the principal cities are as follows: San Francisco, 2.87; Oakland, 2.88; Los Angeles, 1.71; Sacramento, 2.14; Stockton, 1.27; San Diego, 1.05; National City, 1.66; San José, 1.57.

December.—The typical winter arrangement of the climatic constants has now become permanent. Its force approaches its greatest intensity. The high is most distinct upon the Great Basin. The low is general on the Pacific shore, most strongly marked in the Puget Sound country and in Southern California, where it differs from its condition of the previous month by displaying greater breadth upon the southern boundary, extending well across Arizona. The rainfall upon the Pacific Slope, as compared with November conditions, has undergone a slight loss of intensity upon the Oregon shore, has gained force over California, and the area affected has been largely extended eastward, except for a drier area in Nevada and the Colorado Desert. The 1-inch area includes, with this exception, all the region west of the eastern lines of Arizona and Utah and the median line of Idaho. The 2-inch area includes Washington, the western half of Oregon, all of Northern California, and the Coast Ranges from Monterey south. An included area of this value appears upon central Arizona. Four-inch areas appear on the southern coast from San Diego to Los Angeles; and from Monterey over much of

Northern California, narrowly along the Oregon coast, and comprehensively over half of Washington. Six-inch curves are drawn at Los Angeles, upon the Sacramento Valley, and from Point Arena narrowly up the northern coast; 8 inches appear on the Washington coast line. As a portion of this system of precipitation the rainfall of Nevada and California must be studied.

In December the dominant curve of agricultural California is that of 3 inches. It appears upon the northern boundary in a shallow arc, drawn about the Klamath Lakes. Its consistent entrance is made in northwestern Nevada, whence it follows the customary path, crossing the Sierra where Kern River heads. It reaches the plain of the San Joaquin near Fresno, and extends north a little beyond Sacramento. Recurving southward it crosses the head of Suisun Bay, and by the flanks of Monte Diablo it rises on the Alameda County hills to include Livermore. Thence on the eastern face of the Coast Ranges it passes south above the Tehachapi Pass and clings to the east face of San Bernardino Peak and the Southern Coast Ranges, which it crosses just south of Julian, and thus attains a position upon the coast. Its course is now northwest; it encircles the rich Los Angeles valleys to Colton and Riverside, and passes out to sea by Santa Monica, but its position is indicated in close parallelism with the coast, for it cuts in upon Point Conception. Its disconnected appearances are as a loop in the Sacramento Valley from Williams to Princeton, a narrow area upon the upper Salinas below Paso Robles, and another, inclosing the 2-inch area already drawn, on the lower course of that river below Soledad, a closed curve on the San Benito at Hollister, and a small intersection of the extremity of Cape Mendocino.

The region of less than 1 inch of fall is shown upon the Colorado Desert, and northward upon the depression of the 3,000-foot contour and the former Lahontan Basin on which it gives. East of this and northward as well lies an area of an inch of rain. Upon this in eastern Nevada are indicated curves of 2 and 3 inches. The northeastern part of the State is included within a 2-inch curve bounded on the south by the Humboldt Valley. The Great Valley south of Tulare Lake shows an area upon which the precipitation is less than an inch.

The general 2-inch curve enters Nevada through the Quinn River Valley, enters California east of Owens Lake, and crosses the Sierra on the northern side of the Tehachapi Pass. In its northern course it seeks with great rapidity the bottom of the San Joaquin Valley, reaching as far as Modesto, whence it returns upon the western wall to a position on the south side of the Tehachapi Pass. From this point it follows the eastern face of the Southern Coast Ranges, and passes into Baja California. The other appearances of this curve are found at the very end of Point Conception, and in a narrow loop upon the lower Salinas.

With the 4-inch curve the isohyets assume their entering path about the Klamath Valley and their continuation down the Sierra. This curve returns northward at the headwaters of Poso Creek, descends to the floor of the Great Valley in Fresno County, extends on its eastern side to Tehama, and there turns south on the western side. At Vallejo it crosses to the Contra Costa side of San Pablo Bay, and, including Oakland and San Francisco on its wet side, crosses the San Bruno Mountains, and so out to sea. The curve reappears; twice it is briefly

drawn on the north coast, intersecting a headland in each case—Point Arena and Cape Mendocino; it characterizes the Coast Ranges below San Francisco. In this system it appears first as an ellipse whose foci are approximately Monte Diablo and Mission Peak, and concentric within it is another oval of 5 inches; the area thus affected drains into the Alameda through the Tassojara, the Arroyo Mocho, the Arroyo Valle, the Arroyo Hondo; the result appears on the *balsas* of Pleasanton and the alluvial plain between Niles and Alvarado. As a more general area the curve may be traced from Santa Cruz along the sea and up to San Mateo, thence inclosing the Santa Clara Valley and rounding the Smith Creek side of Mount Hamilton, it follows the 3-inch curve down the Great Valley and along the San Bernardino Range to include Pomona, San Gabriel, Colegrove, and that region, whence it bears westward along the coast to include San Luis Obispo, and thence northerly to Jolon; looping southward to exclude the Salinas Valley it returns toward the north from Templeton and through Pajaro seeks Santa Cruz. It also appears encircling San Bernardino Peak. The usual curves of higher precipitation continue to be indicated for the region from Felton to Doughertys.

The curves of 5, 6, 7, and 8 inches all enter from the north close together, near Scott Valley, and maintain this close association to their passage of the Sierra, which is accomplished over the following river sources in order from the south—Kaweah, San Joaquin, Merced, and Tuolumne. By their rapid descent they soon come together, only to undergo a second dispersion in Placer County, where the 5 and 6-inch curves continue smoothly, but the 7 and 8-inch curves are narrowly deflected upon the Sierras by the Bear Valley as high up as Emigrant Gap and Cisco, respectively. Again assembling as a parallel system, these curves cross the Great Valley near Red Bluff, Anderson, Redding, and the Pitt River, respectively. At this point the 8-inch curve swings westward to encircle the upper valley of the Trinity River, and within this area closed curves of 7 and 6 inches are drawn around Weaverville. Returning to association with the lower curves all four are drawn southerly upon the eastern face of the Coast Ranges to different elevations on the Vaca Valley. From this point the 5-inch curve follows the flat land north of San Pablo Bay, and on its west side crosses over to include San Francisco, and thence to sea. The curves of 6, 7, and 8 inches are strongly looped over the Napa and Russian River Valleys, less distinctly so over the Sonoma Valley, and pass out to sea between Sausalito and Bolinas Bay on the Marin shore. These curves all reappear in short arcs upon Point Arena, and again upon Cape Mendocino, where the 7 and 8-inch curves are drawn inshore and north of Humboldt Bay.

The 9 and 10-inch curves enter together west of the southerly reach of the Klamath River, and before joining the Sierra assemblage leave Orleans and Walla Walla Creek upon their drier side. Upon the Sierra the 9-inch curve is found to reach as far as the headwaters of the Mokelumne, while the 10-inch curve is continuous only as far as the upper course of the Yuba, reappearing, however, below the constriction in Bear Valley as a closed curve upon the heights from Placer to Tuolumne County, containing an 11-inch area in Placer County. The two curves reassembling on the eastern wall of the Great Valley closely follow the 8-inch curve in Trinity County and through its path as far as the head of the valley of the Russian River, where they break away and pass

seaward just south of Mendocino City, but immediately return to the ocean face of the ranges, and do not finally leave the region until well north of Trinidad Head. An arc of the 9-inch curve is broadly drawn upon the region of distinctly anomalous precipitation on the Marin coast.

The systematic curves from 11 to 17 inches follow the shorter but equally characteristic path in Del Norte County, the maximum curve being determined by the record of 17.97 inches, average of five Decembers at Crescent City. Upon the mountain region of greatest precipitation curves in excess of 10 inches appear as follows: Three of 11 inches so closely associated as almost to warrant the drawing of a continuous curve to include the whole area—one on the Sierras in Plumas and Lassen Counties, one in Shasta and Siskiyou, and the third in Trinity, Tehama, and Mendocino Counties; upon the Shasta area a 12-inch curve appears of nearly equal dimensions, and the flow of the south branch of the Trinity and Eel Rivers is authority for the provisional drawing of a curve of the same weight on the mountains of the western boundary of Tehama County.

The principal cities offer interesting comparison of their December records: San Francisco, 5.32; Oakland, 4.63; Los Angeles, 3.84; Sacramento, 4.71; Stockton, 2.80; San Diego, 2.13; San José, 2.85.

January.—The winter type of the barometric constants is firmly established, and so is the type of the rains upon the Pacific Coast from San Diego to extreme Washington. The high dominates the Great Basin, with easy curves eastward but steeply contoured on its Pacific face. The oceanic low rests upon the coast, being deeper towards the north. The 1-inch curve of precipitation covers all of California but the Colorado Desert, northern and western Nevada, Oregon, Washington, Idaho, and Montana. The curve of 2 inches is narrowly colimital, except that it does not penetrate the continent deeper than Idaho. The curves of higher value are drawn in strips along the coast line west of the Sierra Nevada and Cascade Ranges.

A more minute inspection of the California and Nevada precipitation chart for January will show the development of this general system over the region, and at the outset it is worthy of remark that no curve of greater weight has been introduced in the transition from December to January, but the lower curves cover greater areas; and particularly is this true of the Great Valley and the southern counties, where these rains condition agricultural success in the summer.

The area in receipt of less than 1 inch of rain includes the Colorado Desert, extends up the 3,000-foot trough in Nevada to the Humboldt Valley, which it follows to Palisade, reappears in the same valley between Elko and Halleck, and in the beginning of the Bonneville Basin at Tecoma and Toano, opening into Utah.

As bounding this drier area, the 1-inch curve of the Arizona rains faces the region along the Colorado River, enters the 5,000-foot plateau of eastern and central Nevada as far as the southern edge of the Humboldt Valley, where it meets the 1-inch curve of the northern system, and struggles to merge across the characteristic dryness of that valley. A 2-inch curve appears upon the White Pine Range at Hamilton. The 1-inch curve enters northern Nevada from Utah and follows the north edge of the Humboldt Valley westward, including Pyramid Lake and Lake Tahoe on its wet side; thence at the back of the Sierra, including

Mono Lake and to the Tehachapi Pass, which it does not enter, but at the back of the Southern Coast Ranges and on the very edge of the desert passes down into peninsular California. A curve of 1 inch is drawn upon the valley south of Tulare Lake, inclosing an area in receipt of less than that amount, which, however, is barred from connection with the dry desert southeast by the higher records in the pass.

The curve of 2 inches enters northeastern Nevada from the north, follows the lower curve westward and down the Sierra, including Pyramid Lake, Lake Tahoe, and Mono Lake. Through the Tehachapi Pass it enters the Great Valley, up which it stretches as far as Tracy and Lathrop, becoming thus the normal maximum of the month in all the San Joaquin country. Returning south from Tracy, it runs through the Tehachapi Pass once more and parallels the lower curve out to the southward. A strictly coastwise curve of this weight enters San Diego Bay over Coronado Beach, conditioning an excess of rain at National City over San Diego. Drawn close to the coast, it leaves Orange County on its dry side and emerges between San Pedro and Drum Barracks. Another curve of the same value is drawn about the upper valley of the Santa Ana, including Colton and Riverside. The coastwise member reenters just west of Point Conception, follows the coast northward, and passes out above Guadeloupe, in Santa Barbara County. A loop of this curve surrounds an area in the lower Salinas Valley, determined by the lower records of Soledad and Chualar.

A small arc of the 3-inch curve dips down into northern Nevada, and a similar arc covers the Klamath Lake country in Northern California. The systematic curve enters from the north just east of the Californian boundary, and follows the path of the 2-inch curve, by which it is drawn through the Tehachapi Pass. By a somewhat long slope it reaches the agricultural level of the Great Valley, and continues almost to Sacramento. Thence it returns southward, over a circuitous course, across Suisun Bay, down the Contra Costa Hills to Mission Peak, across the head of the bay of San Francisco to Menlo Park, inclosing the fruitful Santa Clara Valley as far as Gilroy, whence, by way of the north slope of Mount Hamilton, it reaches its path on the western wall of the Great Valley, which carries it out through the Tehachapi Pass. Thence, by way of Newhall, it runs out upon the Santa Barbara Channel, enters the coast line east of Point Conception, and passes out in San Luis Obispo County. A similar curve enters from the south on the seaward face of the ranges behind San Diego, and continues close to the coast as far as the heights which look down upon Anaheim and the Santa Ana Valley; recurving southward to inclose the 2-inch curve around Riverside, it passes upon the San Bernardino Peak, and out of the country on the desert face of the ranges. A closed curve shows the vicinity of Los Angeles, from Pomona to San Gabriel, to receive more than 3 inches of rain. A loop on the Salinas Valley, from Salinas to San Miguel, is conditioned by the 2-inch records of the immediate valley. From Sacramento to Tehama, and close to the river on either side, is drawn a similar loop about an area whose precipitation falls a little short of 3 inches. Another loop of small extent appears upon San Pablo Bay, and its Contra Costa and Sonoma shores. The last occurrence of this curve is at Cape Mendocino, which is characteristically a region of anomalous precipitation.

The 4-inch curve appears in Northern California upon the lakes of

Modoc and Siskiyou Counties, in northern Nevada at Fort Winfield Scott. The continuous curve of the system enters the region on the eastern boundary line of California, and soon assumes the characteristic path down the Sierras, which it follows to the headwaters of Kern River. It includes the Great Valley as far as Red Bluff, thence south on the west edge of the valley floor to Woodland, with a loop about the Capay Valley; thence south to Elmira, looping the Vaca Valley; thence drawn around San Pablo Bay it crosses to the Contra Costa, returning over the mountains at Niles and across to the San Francisco peninsula; thence down the west side of the Santa Clara Valley, over the mouth of the San Benito and Salinas Valleys, and out at the southern point of the bay of Monterey. Upon the Southern Coast Ranges the curve is plainly drawn north toward the Santa Ana Valley, including a 5-inch area, and upon San Bernardino Peak is provisionally indicated by the river flow. In Santa Barbara and San Luis Obispo Counties an area of this precipitation is drawn from the Sierra de San Rafael northward almost to the Salinas Valley. A curve of this weight appears upon the coast north of Santa Cruz. A loop includes the mountains from Mount Hamilton to Santa Ana Peak.

The curves of 5, 6, 7, 8, and 9 inches are practically one in their entrance through the upper valley of the Klamath River, in their southern path down the Sierra, in their northern course up the Great Valley, and, in a less degree, in their southern course west of the valley. The points where distinctions are drawn are these: the place where the Sierra is crossed, the place of crossing the Great Valley, and the appearance of the curves in the valleys which open upon San Francisco Bay. As shown by the flow of the several rivers which head upon the Sierras, and by the records of stations in the northern Sacramento Valley, these curves are thus established as to these two points: The 5-inch curve at the head of Poso Creek, and at Red Bluff; the 6-inch curve at the source of Tule River, and at Redding; the 7-inch at the watershed of the Kaweah, and north of Redding; the 8-inch on the ranges which feed the San Joaquin, and north of Redding; the 9-inch at the headwaters of the Tuolumne, and north of Redding. The curves of 8 and 9 inches include, besides the upper Sacramento, a considerable area in Trinity County about Weaverville. Reassembling west of the Great Valley, these curves need no separate examination except as to the paths which they follow in leaving the valley. The 5-inch curve extends southward to Vacaville, returns in a loop about the orchard land of the Vaca Valley, passes along the north shore of San Pablo Bay, includes Oakland, crosses to the peninsula of San Francisco, and, by the San Bruno Mountains, passes down the ranges and out into the bay of Monterey. The 6-inch curve extends southerly to Winters, loops the Vaca Valley and a portion of the Sonoma Valley, and passes out to sea over Mount Tamalpais. The curve of 7 inches, drawn higher upon the ranges, avoids the Napa Valley, but loops well into the vineyard region of the Sonoma Valley and out to sea in Marin County, with a reappearance on the Mendocino coast from Point Arena to Mendocino City, and again at Cape Mendocino. The 8-inch curve from Trinity is broadly drawn down the Coast Ranges and out of the region south of Point Reyes, reappearing, however, on the Mendocino coast and at Cape Mendocino as far as Humboldt Bay. The 9-inch curve appears on the Coast Ranges as far south as Cloverdale, from which it returns about

Round Valley, and thence along the coast north of Humboldt Bay. An arc of this curve, containing a 10-inch area, is to be drawn about Fort Ross.

The curves from 10 to 17 inches are all distinctly drawn upon the northwestern coast. Additional areas of 10 inches are found in Plumas and Lassen Counties, and in Trinity, Humboldt, and Mendocino Counties.

The varying rainfalls of the cities are here presented: San Francisco, 5.10; Oakland, 5.05; Los Angeles, 4.08; Sacramento, 3.78; Stockton, 2.46; San Diego, 1.66; (National City, 2.36;) San José, 2.53.

February.—This is the last month of permanency of the climatic type of winter; the high still remains fast upon the Great Basin, and the northwestern low still opens toward the great atmospheric depression toward Sitka; the southern low has left the coast, and is drawn narrowly upon the lower valley of the Colorado. The rain areas upon the coast show a considerable diminution in intensity, which is most plainly apparent in the higher curves, and slight difference has yet begun to appear upon the farming, fruit, and vine lands.

The area where less than 1 inch of rain falls includes the Colorado Desert, southern, western, and northern Nevada, and western Kern and Tulare Counties south of Tulare Lake.

The 1-inch curve of the Arizona and Utah rains is drawn upon eastern and central Nevada, north to Halleck, in the Humboldt Valley, including a 2-inch area in the White Pine country.

The 1-inch curve of the general system enters east of Fort McDermit, runs southwestward into California, excluding Honey Lake upon its dry side, thence on the western limit of the desert it passes into Baja California. A curve of the same weight appears twice in the San Joaquin Valley—at its southern end about the drier area just mentioned south of Tulare Lake, the second on either side the river between Berenda and Modesto.

The curve of 2 inches comes in upon the east line of California and follows the eastern face of the Sierra as far as the headwaters of the Kern River, where it enters upon the Great Valley, and extends almost to Sacramento, whence, crossing the sloughs of the San Joaquin, it passes south out of the Tehachapi Pass and back of all ranges into Lower California. The coastwise appearance of this curve reaches from the Mexican boundary as far north as Hueneme. A loop of 2 inches incloses an area of less rain in the Santa Ana Valley, including Riverside. On the lower Salinas Valley is a similar loop about Chualar and Soledad. Still another is found in the Sacramento Valley from below Williams to Orland and Fruto. The list is completed by mention of the 2-inch arc which cuts Cape Mendocino.

The higher curves now break apart and thus may be considered as affecting two distinct areas. These are, respectively, the ranges of the Southern Coast and the Coast Ranges northward to the Golden Gate, and the heights of the Sierra Nevada with the Coast Ranges north of Marin County. Of these the southern area will be examined first.

The 3-inch curve appears from the south behind San Diego and extends along the hills into Orange County, and then deeply reëntering the mountains to the south of Murietta it returns northward to San Gorgonio and then recurves above the desert into Mexican territory. Within the area thus described concentric curves are inscribed up to 8 inches on the strength of the record of 8.25 at Julian. But narrowly

separated from this system the 3-inch curve of the Coast Ranges may be traced along the southern face of the San Bernardino Range, out upon the Santa Barbara Channel, up the Santa Lucia mountain system on their western face, and south along their eastern sides as far as Paso Robles, thence north, leaving the San Benito and Salinas Valleys on its dry side, including the Santa Cruz Mountains, passing south of the Santa Clara Valley, and by way of Mount Hamilton out upon the western wall of the Great Valley and through the Tehachapi Pass to San Bernardino Peak. At the extreme limits of this area appear higher curves; right and left of the Santa Ana River are narrow areas of 4 inches, and the Santa Cruz Mountains show a record of more than 6 inches at Boulder Creek.

Upon the northern system the 3-inch curve enters west of Fort Bidwell, turns upon the Sierra at the source of Poso Creek, crosses the Great Valley at Tehama, runs south as far as Denverton, follows the north shore of San Pablo Bay, with loops into the Napa and Sonoma Valleys, and passes out to sea north of Mount Tamalpais. A second appearance of the curve is found on the northern coast from Westport to Cape Mendocino.

The curves of 4, 5, and 6 inches come into the region on the southerly flow of Klamath River, and all pass south of Orleans. Here their system is joined by the curve of 7 inches which comes in from the northern extremity of the coast. The four curves are drawn together upon the characteristic Sierra track, and turn north into the Great Valley through regions which have been mentioned in detail in the account of preceding months. The curves of 4 and 5 inches cross the Sacramento a little south and a little north of Redding, respectively; the curves of 6 and 7 inches are similarly situated with respect to Delta, and these two broadly sweep into Trinity County before joining the others down the valley. The 4-inch curve runs south as far as Napa, bends about the Sonoma Valley, and turns to sea at Tomales Bay, reappearing at Westport and Cape Mendocino. The 5-inch curve, while reaching well into the Napa Valley, retracks about both the Sonoma and Russian River Valleys, down the west side of which it passes and out to sea at Bodega Head, reappearing on the coast from Mendocino to Ferndale. The 6-inch curve follows the curve of 5 inches almost to the sea, but thence is drawn along the Mendocino shore and passes out to the southward of Humboldt Bay. The curve of 7 inches does not vary from this path, except that it excludes Round Valley and emerges north of Humboldt Bay.

Areas of 8 and 9 inches are drawn upon the northwest coast, and again on the high Sierras from Placer to El Dorado County.

The rainfall recorded at the principal cities is as follows: San Francisco, 3.60; Oakland, 3.28; Los Angeles, 3.96; Sacramento, 2.89; Stockton, 2.33; San Diego, 2.00; San José, 2.42.

March.—This is the month in which occurs the change from the climatic type of winter to that of summer; the average exhibited is a combination of each type. The high has moved seaward from the Great Basin, and now rests upon the Southern California coast; and the low, which in February was found detached from the coast, and resting on the lower Colorado Valley, has now expanded upon the Great Basin. The northwestern low still remains sharply drawn on Washington, and holds the channel open for the entrance of the rain. The general

system of the Pacific Coast precipitation displays a tendency to form disconnected groups, and this tendency is particularly displayed in the higher curves. As a portion of this system, the rains of California and Nevada exhibit the same individuality.

The area upon which rain falls to the extent of less than 1 inch remains practically unchanged since February, with the exception that the small area on the lower San Joaquin has been obliterated.

The 1-inch curve drawn in from Utah covers eastern and central Nevada, with a 2-inch inclusion at Fort Halleck. The curve of equal weight of the general system enters in northeastern Nevada, traces west the north rim of the Lahontan Basin, and runs back of all the ranges into Baja California. Its only appearances elsewhere are in Kern County, bounding the area of less precipitation, and a short arc in San Diego.

The 2-inch curve enters west of Fort McDermit and runs down the eastern face of the Sierra Nevada to the Tehachapi Pass, where it penetrates the Great Valley, and extends as far north as Stockton; returning thence on the west floor of the valley, it passes south through Tehachapi, and follows the 1-inch curve out of the State. On the ocean face of the ranges it appears lightly attached to the south coast behind San Diego, appearing successively at San Pedro, San Buenaventura, and Guadeloupe, where it reaches back to include Santa Maria. Closed curves, including areas where the precipitation is less than 2 inches, occur upon the valley land at Colton, on the lower Salinas at Soledad, and upon the upper valley of the same river at San Miguel, on the San Benito at Hollister, and on the Sacramento for a narrow area at Princeton. A sharp loop from the north includes Yreka and Hornbrook, and a small arc cuts Cape Mendocino.

As in February, the precipitation breaks away on the 3-inch line, and will be examined in the same two members.

Upon the Southern Coast Ranges the 3-inch curve is drawn north along the coast to include the San Bernardino Peak, whence it returns southward west of the summits. Within this area a 4-inch curve exists upon the San Bernardino Peak, and a second on the southern series of heights incloses still higher curves. From the passage of the Santa Ana River through the San Bernardino Range a 3-inch curve is drawn westward along the coast through Ontario and San Gabriel and on the channel face of the Sierra de Santa Ynez; thence northward upon the ocean side of the Santa Lucia Mountains almost to Monterey, and back along the rim of the Salinas Valley to Paso Robles; thence east of the valley it extends north to Mount Hamilton and west of the Great Valley through Tehachapi. Upon this 3-inch area is drawn a 4-inch curve at Jolon; one of the same weight extends from the head of the San Benito to Mount Hamilton, upon which appears a 5-inch area as far south as Santa Ana Peak; a broad 4-inch area is drawn upon the Sierra de San Rafael; behind Los Angeles appear somewhat considerable areas, which receive 4 and 5 inches of rain during this month. Another 3-inch curve passes from Monterey to the Santa Clara Valley and out at Point Año Nuevo, which includes the higher precipitation of the Santa Cruz Mountains.

Upon the northern region of the Sierra and Coast Ranges the curves of 3 to 7 inches enter along the Klamath, and all pass south of Orleans except the 3-inch. Thence all follow the characteristic path down the

Sierras, practically together, except that in Plumas County the 6 and 7-inch curves pass westward of Quincy and Meadow Valley. They are found to cross the Sierras at the headwaters of the Kern, the Poso, the Tule, the Kaweah, and the San Joaquin. Above the Great Valley they are drawn at wider intervals, but east of Oroville they are once more assembled. The 3 and 4-inch curves cross the valley just north of Red Bluff, and at once return upon that level toward the south; the 5, 6, and 7-inch curves, after crossing the valley at Redding, extend still farther to include central Trinity County, and on their southern course pass west of Foutz Springs, with the exception of the curve of 7 inches, which does not reach so far south. After the four curves reassemble in western Colusa it will be necessary to examine them separately, because of the divergences which occur.

The curve of 3 inches covers the Vaca, Napa, and Sonoma Valleys, passes over upon the Contra Costa Hills as far as Martinez, and south-erly to include the Livermore Valley, thence back to Oakland and across the bay, to pass out south of San Francisco.

The 4-inch curve reaches but a short distance into the Vaca Valley, and then retires northward in a long and narrow loop as far as Ukiah; then prominently enters the Napa and Sonoma Valleys, and after defining the Tamalpais Range in Marin County, passes out to sea through Drakes Bay. It reappears for a brief space at Cape Mendocino.

The 5-inch curve, drawn with smoother curves and higher on the mountains, follows much the same track, without, however, penetrating so far to the south as to affect the great orchard and vineyard valleys. It leaves the coast at Point Reyes, reënters to include Westport, and then drawn across Cape Mendocino emerges at the mouth of Eel River, only to make a final appearance between Arcata and Trinidad Head.

The 6-inch curve is drawn down the Coast Ranges to include Lake County. Returning thence to the north it excludes Round Valley, and persisting near the coast around Cape Mendocino it is drawn up the Eel River Valley, and passes out to sea north of Trinidad Head. A short arc of a 6-inch curve appears upon the Sonoma coast, including Fort Ross.

The curve of 7 inches does not appear below Mount Linn, on the western boundary of Tehama County; thence westerly it reaches Upper Mattole, and following the next lower curve reaches the sea along the valley of the Klamath.

The curves from 8 to 11 inches are drawn upon the coast of Del Norte County and the lower Klamath, and are established by the records of Fort Ter Wah, Crescent City, and Camp Lincoln. The records obtained upon the high Sierras establish an 8-inch curve from Sierra to Alpine County.

The principal cities show the following amounts of March rains: San Francisco, 3.26; Oakland, 3.72; Los Angeles, 2.27; Sacramento, 2.73; Stockton, 1.84; San Diego, 1.20; San José, 2.56.

April.—This month has brought about the summer type, which, as it becomes better defined, conditions the dry season of the Pacific Coast. The low, which in March still endured upon the northwest coast, is now replaced by the oceanic high. The second high rests upon the Central Valley, and between the two occur two lows, which grow deeper to the north and south, respectively. The general rain areas have greatly diminished, particularly at the south, where this is the second month of

the high, and such rain as does enter northward finds an impeded entrance, yet a chance to enter when the high, not as yet firmly established, is overridden by remnants of the winter conditions.

From the east an area of 1 inch of rain diffusely appears on the White Pine Ranges of Nevada as far west as Austin. The area which receives less than 1 inch includes all the rest of Nevada, the Colorado Desert, and, without interruption, the southern part of the Great Valley south of Tulare Lake. Disconnected areas where the rainfall comes short of an inch are as follows: In the valley west of the river, between Tracy and Los Baños; in the valley of the Salinas, except just at its mouth; in the valley east of San Luis Obispo, and upon the Southern Coast Ranges north to Orange County, and including the Santa Ana Valley as far as Riverside on the east and Ontario on the north, and out by Santa Monica. These areas are bounded by the curve of 1 inch. It appears in two arcs upon the northern boundary, one upon the area of less than 1 inch, inclosing the higher precipitation of Fort McDermit, the other bounding the area about Hornbrook, Montague, and Edgwood, in Siskiyou County, which receives less than 1 inch.

The 2-inch curve is nowhere continuous over the region, which will therefore be examined as before, in distinct areas of precipitation.

Upon the Southern Coast Ranges the 2-inch curve reaches northward as far as the Red Lands and San Geronio Pass, and includes curves of greater weight upon the mountains. More restricted areas of 2 inches appear north of the Los Angeles valleys upon the San Bernardino Range east and west of El Cajon. Fort Tejon establishes another such area south of the Tehachapi Pass. A narrow arc of this curve cuts off Point Sal and Guadeloupe. Upon the Coast Ranges south of the Golden Gate a 2-inch curve appears, overhanging the Santa Clara Valley on the north slope of Mount Hamilton, thence by Gilroy and Los Gatos to include the Santa Cruz Mountains, from which it assumes a position on the ranges east of the San Benito as far as the headwaters of that stream, where it returns to its point of beginning. Within this curve a 3-inch area appears on the mountains from Mount Hamilton to Santa Ana Peak.

On the northern area of precipitation the curves of 2, 3, and 4 inches enter on the south-flowing reach of the Klamath River, pass together down the Sierra Nevada, except that the 4-inch curve swings out westward to exclude Meadow Valley, in Plumas County. The three curves extend along the mountains as far as the headwaters of Poso Creek, the Kaweah, and the Merced, respectively. Loosely assembled on the east side of the Great Valley, they cross it in Tehama and Shasta Counties, and the curve of 4 inches is extended to reach about central Trinity County. The 2-inch curve, in its southern path west of the Sacramento Valley, loops about the Capay and Vaca Valleys, reaches well down the Napa Valley, and then looping the Sonoma and Russian River Valleys, runs out to sea along the Tamalpais Range. The 3-inch curve is attracted about Round Valley, and then follows the lower curve to the coast, where it emerges at Point Arena. At Round Valley this curve includes a restricted area of not quite 2 inches, and at Fort Ross, an area of 4 inches. It appears finally at Fort Bragg. The 4-inch curve extends south in Mendocino County to include Westport, and then follows the coast northerly as far as Arcata. The 5-inch curve entering the Klamath Valley does not persist upon the Sierras, but obscurely following the lower curve runs out to sea at Trinidad Head. Within

this area the record at Fort Gaston establishes an area of 4 inches on the Hoopa Valley. Upon the high Sierras a 5-inch area appears from Plumas to Tuolumne County, which is almost severed by the lower records of Bear Valley, and in each portion contains smaller areas of 6 and 7 inches. Other curves of 6 and 7 inches are found upon the extreme northwestern coast.

The April average rainfall recorded in the principal cities is as follows: San Francisco, 1.93; Oakland, 2.17; Los Angeles, 1.29; Sacramento, 1.85; Stockton, 1.32; San Diego, 0.72; San José, 1.77.

May.—With the secure establishment of the summer type the rains have almost vanished upon the entire Pacific Coast. California and Nevada for the greater part are under cloudless skies, and no considerable area receives more than 2 inches during the month.

The 1-inch curve is traced upon extreme eastern Nevada, including Eureka. With no very distinct definition a similar curve lies upon the northern boundary of the Silver State, with areas of 2-inch precipitation upon it at Tuscarora and Fort McGarry. In California the 1 and 2-inch curves still keep to the characteristic path upon the highest Sierras, but make no record on the Great Valley floor and pass westward across Shasta County to the sea upon the Mendocino and Humboldt coasts. The showers, which in this month come opportunely on the three great orchard valleys of Vaca, Napa, and Sonoma, establish a curve of 1-inch drawn in from the sea toward the western wall of the Great Valley, and upon it appears a 2-inch arc at Point Reyes. A twelve-year record establishes the extremely anomalous 1-inch area at Lewis Creek, east of Tulare Lake. Another area of the same weight is found on the Mount Hamilton range of mountains. Still another includes the Santa Cruz Mountains. The curve of 3 inches appears only in Del Norte County; among the redwoods of Boulder Creek, and at Susanville, in Lassen County. Dunsmuir, in the shadow of Shasta, establishes a closely restricted area of 4 inches.

The cities are as dry as the farms, as appears from their record: San Francisco, 0.67; Oakland, 0.76; Los Angeles, 0.31; Sacramento, 0.74; Stockton, 0.53; San Diego, 0.33; San José, 0.51.

June, July, and August.—The dryness is now complete; the high upon the ocean has now become so strong that the humid air of the sea can neither drive it back nor find a weak spot, save in the train of some of the rare lows which have had the intensity to momentarily overthrow this condition. Rain is almost absolutely absent from the California and Nevada charts for these months. Brief note will be made of the few stations which show an inch or more.

In June an inch appears at Westport, Upper Mattole, Meadow Valley, and at Fort Bidwell; from Delta to Hornbrook Mount Shasta establishes a curve of 1 inch, rising to 2 inches at Sisson; 1 and 2 inches appear close to the coast from Eel River north.

July shows a record of 1.58 inches at El Dorado Cañon, average of two years, which may point toward the coming of the summer seasonal rains in Arizona; Meadow Valley has a single record of 2.40.

In August Meadow Valley still shows a curve of 1 inch, and the *temporales* of Arizona and New Mexico now avail to draw an inch curve over eastern Nevada, which incloses a 2-inch area about Pioche.

The summer records for the cities show the same state of drought, and are here inserted only to complete the record:

San Francisco: June, 0.15; July, 0.02; August, 0.02. Oakland: June, 0.40; July, 0.02; August, 0.02. Los Angeles: June, 0.09; July, 0.02; August, 0.10. Sacramento: June, 0.12; July, 0.02; August, 0.00. Stockton: June, 0.13; July, 0.01; August, 0.00. San Diego: June, 0.07; July, 0.06; August, 0.14. San José: June, 0.20; July, a trace; August, 0.00.

Thus the record of the year by averages of many years has been rounded out. The rain and the drought have been shown to be constant, each in its appointed time and at its appointed place.

ECONOMIC FEATURES.

In the course of the preceding memoir the climate of the two States has been examined and discussed. The inquiry has penetrated to the ultimate analysis into the two factors of the Cordilleran and the Pelagic influence. It has investigated each separately, and it has combined them in the varying proportions which obtain month by month in the periodic alteration of the conditions of temperature and barometric pressure. It has shown the broad outlines of the yearly precipitation upon the region, and by monthly periods has examined the modifying influence of local causes in the several districts which are marked out by nature as natural subdivisions of the region. Here in its stricter sense determines the province of the meteorologist and student of climatology. Yet it may not be inappropriate to indicate the varying modes in which this precipitation becomes available to agriculture. This is the work of the engineer, and its details must be sought from those to whom it is the special study. In this place nothing further will be attempted than to indicate the broad outlines of the further study which will utilize to economical ends the facts of the climate hereinbefore set forth.

The precipitation falls upon the earth, and there is part returned to the atmosphere by evaporation, part sinks into the soil, and a part stands in pools, in snowbanks on the slopes, and even as glaciers upon the high Sierras, from which it drains away in streams and rivers. The amount evaporated is lost to all economic purposes; the amount absorbed may be utilized at extreme distances to a certain extent by artesian wells; the surface flow may be utilized to a greater extent, but is more narrowly restricted in its utility to the neighborhood of the area upon which the particular precipitation has occurred. Disregarding the amount evaporated, a summary statement will be made of the surface flow so far as measured, and of the artesian flow to such an extent as reliable statistics have been gathered.

The River Contents.—Measurements of river flow have been made in several of the California streams, extending over a series of years. Some, and of this number is the Sacramento, have been gauged for the purpose of studying the problem of the management of flood waters. Some have been examined solely with a view to discussing their availability for irrigation supply, and in this class of observations fall those conducted upon the upper affluents of the San Joaquin and the water-courses of the southern valleys. The following table, prepared by the State Engineer of California, exhibits the monthly and seasonal flows of a number of these streams averaged from a six-year series of observations:

AVERAGE FLOW OF STREAMS FOR SIX YEARS—NOVEMBER 1, 1878, TO OCTOBER 31, 1884.

| NAME OF STREAM. | Averages of Mean Monthly Discharges, Cubic Feet per Second. | | | | | | | | | | | |
|------------------------|---|------------|----------|-----------|--------|--------|--------|--------|--------|---------|-------------|----------|
| | Novem-ber. | Decem-ber. | January. | February. | March. | April. | May. | June. | July. | August. | Septem-ber. | October. |
| Sacramento River..... | 8,700 | 15,087 | 30,500 | 38,167 | 60,883 | 98,883 | 98,883 | 62,667 | 23,833 | 10,250 | 7,083 | 7,917 |
| Cosumnes River..... | 81 | 244 | 527 | 1,214 | 1,547 | 3,074 | 3,722 | 3,055 | 1,189 | 324 | 86 | 83 |
| Dry Creek..... | 24 | 116 | 276 | 613 | 1,667 | 3,890 | 250 | 83 | 6 | 1 | 2 | 12 |
| Mokelumne River..... | 123 | 292 | 469 | 1,261 | 1,607 | 3,226 | 3,911 | 3,296 | 1,252 | 268 | 74 | 113 |
| Calaveras River..... | 29 | 135 | 492 | 1,172 | 1,844 | 1,832 | 961 | 217 | 49 | 2 | 0 | 12 |
| Stanislaus River..... | 146 | 535 | 688 | 2,044 | 2,645 | 4,296 | 5,240 | 4,923 | 2,153 | 449 | 127 | 162 |
| Tuolumne River..... | 215 | 556 | 909 | 1,801 | 2,754 | 5,338 | 7,622 | 8,188 | 3,751 | 751 | 196 | 286 |
| Merced River..... | 183 | 456 | 590 | 1,587 | 1,784 | 3,264 | 4,528 | 4,340 | 1,973 | 504 | 188 | 210 |
| Bear Creek..... | 4 | 25 | 46 | 171 | 219 | 212 | 67 | 28 | 11 | 0 | 0 | 3 |
| Mariposa Creek..... | 3 | 20 | 38 | 129 | 162 | 122 | 50 | 22 | 8 | 0 | 0 | 0 |
| Chowchilla Creek..... | 9 | 45 | 78 | 359 | 535 | 496 | 172 | 196 | 45 | 3 | 0 | 0 |
| Fresno Creek..... | 0 | 64 | 123 | 392 | 568 | 475 | 194 | 143 | 45 | 5 | 0 | 0 |
| San Joaquin River..... | 387 | 792 | 1,054 | 1,945 | 2,133 | 4,252 | 8,663 | 10,156 | 5,144 | 1,355 | 555 | 495 |
| Kings River..... | 313 | 510 | 515 | 1,290 | 1,817 | 4,080 | 7,588 | 8,180 | 4,655 | 1,162 | 455 | 447 |
| Kaweah River..... | 113 | 208 | 263 | 662 | 810 | 1,886 | 1,816 | 1,989 | 980 | 271 | 139 | 97 |
| Tule River..... | 88 | 186 | 215 | 585 | 605 | 702 | 1,188 | 1,017 | 669 | 230 | 106 | 75 |
| Deer Creek..... | 13 | 26 | 49 | 124 | 143 | 131 | 75 | 29 | 1 | 0 | 0 | 4 |
| White Creek..... | 11 | 20 | 38 | 101 | 119 | 16 | 61 | 23 | 1 | 0 | 0 | 3 |
| Poso Creek..... | 34 | 64 | 126 | 325 | 384 | 945 | 198 | 75 | 2 | 0 | 0 | 5 |
| Kern River..... | 374 | 433 | 443 | 658 | 792 | 1,489 | 2,481 | 3,008 | 1,897 | 851 | 467 | 392 |
| Calliente Creek..... | 50 | 100 | 180 | 475 | 562 | 504 | 287 | 110 | 3 | 0 | 0 | 0 |

AVERAGE FLOW OF STREAMS FOR SIX YEARS—NOVEMBER 1, 1873, TO OCTOBER 31, 1884—
Continued.

| NAME OF STREAM. | Average for Periods of Three Months and Yearly Means, Cubic Feet per Second. | | | | | Area Drainage Basin, Square Miles. |
|------------------------|--|----------------|--------------|--------------|------------------|------------------------------------|
| | Nov. to Jan. | Feb. to April. | May to July. | Aug. to Oct. | Annual Averages. | |
| Sacramento River..... | 18,187 | 64,643 | 60,067 | 8,433 | 37,632 | 26,187 |
| Cosumnes River..... | 296 | 1,966 | 2,659 | 159 | 1,234 | 580 |
| Dry Creek..... | 136 | 704 | 118 | 5 | 237 | 233 |
| Mokelumne River..... | 296 | 2,038 | 2,841 | 152 | 1,321 | 657 |
| Calaveras River..... | 221 | 1,465 | 411 | 10 | 520 | 491 |
| Stanislaus River..... | 459 | 2,411 | 4,189 | 247 | 1,958 | 1,061 |
| Tuolumne River..... | 1,279 | 3,365 | 6,519 | 663 | 2,686 | 1,501 |
| Merced River..... | 411 | 2,219 | 3,984 | 301 | 1,631 | 1,076 |
| Bear Creek..... | 26 | 201 | 47 | 1 | 65 | 166 |
| Mariposa Creek..... | 20 | 138 | 27 | 0 | 46 | 122 |
| Chowchilla Creek..... | 44 | 456 | 118 | 2 | 152 | 268 |
| Fresno Creek..... | 66 | 482 | 127 | 3 | 167 | 272 |
| San Joaquin River..... | 760 | 2,462 | 7,453 | 808 | 3,074 | 1,637 |
| Kings River..... | 445 | 2,408 | 6,791 | 688 | 2,584 | 1,742 |
| Kaweah River..... | 166 | 963 | 1,574 | 169 | 723 | 619 |
| Tule River..... | 180 | 636 | 941 | 139 | 451 | 437 |
| Deer Creek..... | 29 | 134 | 35 | 1 | 49 | 110 |
| White Creek..... | 22 | 110 | 29 | 1 | 40 | 90 |
| Poso Creek..... | 73 | 352 | 92 | 2 | 145 | 289 |
| Kern River..... | 429 | 806 | 2,451 | 574 | 1,110 | 2,345 |
| Caliente Creek..... | 117 | 517 | 134 | 2 | 191 | 423 |

The Artesian Flow.—Nothing but the special conditions mark anything unusual about artesian flow, which is but an expression of the common law of flowage. The strangeness is seeming, and is due to partial and incomplete observation. The water enters permeable strata at a distance, and at an elevation; following the dip beneath the surface, it is confined between impervious strata, and in accordance with the general law of hydraulic equilibrium rises to the surface or higher when deep boring affords an avenue of escape.

Concerning the artesian water of California one statement may be positively made. The water is invariably derived from the precipitation on the mountains of the State, and cannot possibly be drawn from any more distant and possibly more abundant source of supply. This is made clear by the investigations of the geologists, who have found the high ridges of the Sierra to expose beds of Archæan granite. Whatever flow of subterranean water there may be must occur in strata which in the valleys overlie the Archæan, and which upon the mountains present their outcroppings at a lower altitude. From this it is made manifest that the underground flow is but a variant of the flow of surface streams, and that each alike heading upon the mountains finds its source in the rainfall.

The State Engineer of California, in a partial report upon the artesian wells of the State, has given the data pertaining to three hundred wells in the Great Valley, to four hundred and fifty in the single county of San Bernardino, and fifty in a limited tract of Los Angeles County. Reference to that report (Hall's Physical Data of California) will show exactly what success has attended those operations of deep drilling. In the present connection it suffices to note that millions of gallons of water rise to the surface in every twenty-four hours for purposes of irrigation and domestic supply.

TRANSACTIONS
OF THE
FIRST DISTRICT AGRICULTURAL ASSOCIATION
For the Year 1891,
Composed of the Counties of San Francisco and Alameda.

OFFICERS OF THE ASSOCIATION.

PETER PUMYEA President.
JOSEPH I. DIMOND Secretary.
UNION NATIONAL BANK (of Oakland) Treasurer.

DIRECTORS.

PETER PUMYEA Oakland.
C. S. CRITTENDEN San Francisco.
W. M. KENT Oakland.
P. E. DALTON Oakland.
ELI S. DENISON Oakland.
W. E. GREEN Oakland.
GILBERT TOMPKINS San Leandro.
H. W. MEEK San Lorenzo.

REPORT.

OAKLAND, December 31, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the First District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

JOS. I. DIMOND,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|--|------------|--------------------|
| From miscellaneous account | \$8,840 08 | |
| From trotting and pacing account | 3,485 75 | |
| From running account | 417 50 | |
| From season ticket account | 448 00 | |
| From gates | 3,543 50 | |
| From sweepstakes | 70 00 | |
| | | <u>\$16,802 78</u> |

Expenditures.

| | | |
|---------------------------------------|----------|--------------------|
| For miscellaneous account | \$885 06 | |
| For Park expense account | 2,280 09 | |
| For trotting and pacing account | 6,016 15 | |
| For running account | 3,800 00 | |
| For premium account | 2,510 50 | |
| For labor account | 1,048 00 | |
| For season ticket account | 35 70 | |
| For advertising account | 1,117 65 | |
| | | <u>\$17,663 14</u> |

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|------------------------------------|-----------|
| CLASS I—THOROUGHBREDS—STALLIONS. | | |
| Rathbone, three years old and over | J. C. Simpson, Oakland | 1st prem. |
| Wildwood, two years old | C. A. Brown, West Berkeley | 1st prem. |
| Vendome, one year old | J. Reavy, San José | 1st prem. |
| Sonoma Boy, under one year | D. McCarty, San Francisco | 1st prem. |
| MARES. | | |
| Fanny Parnell, three years old and over | D. McCarty, San Francisco | 1st prem. |
| Folly, two years old | C. A. Brown, West Berkeley | 1st prem. |
| CLASS II—STANDARD TROTTERS—STALLIONS. | | |
| Eros, four years old and over | F. H. Burke, Menlo Park | 1st prem. |
| Alcona, Jr., four years old and over | J. P. Rodehaver, Petaluma | 2d prem. |
| Anteo Wilkes, two years old | Oscar Mansfeldt, Oakland | 1st prem. |
| —, two years old | James C. Smith, Oakland | 2d prem. |
| Nero, one year old | F. H. Burke, Menlo Park | 1st prem. |
| Anteener, suckling colt | F. H. Burke, Menlo Park | 1st prem. |
| MARES OR GELDINGS. | | |
| Vivian, four years old and over | F. H. Burke, Menlo Park | 1st prem. |
| Daylight, three years old | F. H. Burke, Menlo Park | 1st prem. |
| Violante, three years old | F. H. Burke, Menlo Park | 2d prem. |
| Donzella, two years old | F. H. Burke, Menlo Park | 1st prem. |
| Igo, two years old | Isaac Requa, Oakland | 2d prem. |
| Wilhema, one year old | F. H. Burke, Menlo Park | 1st prem. |
| Midnight Bell, suckling colt | F. H. Burke, Menlo Park | 1st prem. |
| FAMILIES. | | |
| Eros and colts: Wanda, Daylight, Donzella, Montrose, and Anteener | F. H. Burke, Menlo Park | 1st prem. |
| Lady Pierce and colts: Donzella and Midnight Bell | F. H. Burke, Menlo Park | 1st prem. |
| CLASS III—ROADSTERS—STALLIONS. | | |
| Windward, three years old and over | John A. Cody, Oakland | 1st prem. |
| Marvel, three years old and over | Ben E. Harris, San Francisco | 2d prem. |
| Olo, one year old | Ben E. Harris, San Francisco | 1st prem. |
| MARES. | | |
| Ventura, three years old and over | Ben E. Harris, San Francisco | 1st prem. |
| Mattie B, three years old and over | George Bement, Maple Grove | 2d prem. |
| Edna C, one year old | Henry Westphal, Golden Gate | 1st prem. |
| Melville, one year old | Ben E. Harris, San Francisco | 2d prem. |
| Vista, under one year | George Bement, Maple Grove | 1st prem. |
| Secret, under one year | Dan McCarty, San Francisco | 2d prem. |
| CLASS IV—HORSES OF ALL WORK—STALLIONS. | | |
| Hugo, three years old and over | Ben E. Harris, San Francisco | 1st prem. |
| Con Brio, three years old and over | Oscar Mansfeldt, Oakland | 2d prem. |
| MARES. | | |
| Kate, two years old | W. R. Birmingham, Oakland | 1st prem. |
| CLASS VI—NORMANS AND PERCHERONS—STALLIONS. | | |
| Oregon, three years old and over | James C. Smith, Oakland | 1st prem. |
| Magenta, three years old and over | James C. Smith, Oakland | 2d prem. |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|-----------|
| Benoit, two years old..... | James C. Smith, Oakland..... | 1st prem. |
| —, under one year..... | James C. Smith, Oakland..... | 1st prem. |
| Atwood, under one year..... | George Bement, Maple Grove..... | 2d prem. |
| MARES. | | |
| Theresa, three years old and over..... | James C. Smith, Oakland..... | 1st prem. |
| Laura, three years old and over..... | James C. Smith, Oakland..... | 2d prem. |
| Maud, two years old..... | James C. Smith, Oakland..... | 1st prem. |
| FAMILIES. | | |
| Theresa and colts: Magenta and Maud..... | James C. Smith, Oakland..... | 1st prem. |
| CLASS VIII—CARRIAGE HORSES. | | |
| Sancho and Pedro..... | Ben E. Harris, San Francisco..... | 1st prem. |
| CLASS IX—GENTLEMAN'S ROADSTERS—SPAN. | | |
| Sweet Secret and Dolly..... | E. Younger, San José..... | 1st prem. |
| Sam and Dan..... | E. C. Gray, San Francisco..... | 2d prem. |
| SINGLE MARE OR GELDING. | | |
| Maud O..... | P. E. Dalton, Oakland..... | 1st prem. |
| Hallstorn..... | J. C. Smith, Oakland..... | 2d prem. |
| CLASS X—FARM HORSES. | | |
| Dick and Charley..... | George Bement, Maple Grove..... | 1st prem. |
| CLASS XI—SADDLE HORSES. | | |
| Felix..... | Ben E. Harris, San Francisco..... | 1st prem. |
| CLASS XII—SWEEPSTAKES—STALLIONS. | | |
| Detective..... | P. H. Lamoureux, Oakland..... | 1st prem. |
| Eros..... | F. H. Burke, Menlo Park..... | 2d prem. |
| MARES. | | |
| Wanda..... | F. H. Burke, Menlo Park..... | 1st prem. |
| Ventura..... | Ben E. Harris, San Francisco..... | 2d prem. |
| CLASS XIV—MULES. | | |
| Dandy and Ben..... | Andrew Smith, Redwood City..... | 1st prem. |
| SPECIAL CLASS—ENGLISH SHIRES—STALLIONS. | | |
| Summerday, three years old and over..... | Walnut Creek Breeding Assoc..... | 1st prem. |
| Whats Wanted Again, three years old and over..... | Walnut Creek Breeding Assoc..... | 2d prem. |
| BEST BREED TROTTING STALLION EXHIBITED AT THE FAIR. | | |
| Eros..... | F. H. Burke, Menlo Park..... | G. med. |
| CATTLE.—CLASS I—DURHAMS—BULLS. | | |
| 5th Kirklevington of Forest Home, three years old and over..... | C. Younger & Son, San José..... | 1st prem. |
| 44th Kirklevington of Forest Home, three years old and over..... | C. Younger & Son, San José..... | 2d prem. |
| 58th Kirklevington of Forest Home, one year old..... | C. Younger & Son, San José..... | 1st prem. |
| 62d Kirklevington of Forest Home, under one year..... | C. Younger & Son, San José..... | 1st prem. |
| COWS. | | |
| 4th Jessie Maynard, three years old and over..... | C. Younger & Son, San José..... | 1st prem. |
| 21st Rose of Forest Home, three years old and over..... | C. Younger & Son, San José..... | 2d prem. |
| 5th Jessie Maynard, two years old..... | C. Younger & Son, San José..... | 1st prem. |
| 6th Jessie Maynard, two years old..... | C. Younger & Son, San José..... | 2d prem. |
| 18th Amelia of Forest Home, one year old..... | C. Younger & Son, San José..... | 1st prem. |
| 15th Oxford Rose of Forest Home, one year old..... | C. Younger & Son, San José..... | 2d prem. |
| 35th Rose of Forest Home, under one year..... | C. Younger & Son, San José..... | 1st prem. |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|-----------|
| HERDS. | | |
| Over two years—Bull: 44th Kirklevington of Forest Home; cows: 14th Rose of Forest Home, 21st Rose of Forest Home, 3d Jessie Maynard of Forest Home, 4th Jessie Maynard of Forest Home..... | C. Younger & Son, San José | 1st prem. |
| Under two years—Bull: 58th Kirklevington of Forest Home; cows: 18th Amelia of Forest Home, 15th Oxford Rose of Forest Home, 35th Rose of Forest Home, and 36th Red Dolly of Forest Home..... | C. Younger & Son, San José | 1st prem. |
| SWEEPSTAKES. | | |
| Bull—44th Kirklevington of Forest Home. | C. Younger & Son, San José | 1st prem. |
| Cow—21st Rose of Forest Home..... | C. Younger & Son, San José | 1st prem. |
| CLASS II—HEREFORDS—BULLS. | | |
| Grateful Prince, three years old and over.. | G. Bement & Son, Maple Grove... | 1st prem. |
| COWS. | | |
| Pigeon, three years old and over | G. Bement & Son, Maple Grove... | 1st prem. |
| SWEEPSTAKES. | | |
| Bull—Grateful Prince | G. Bement & Son, Maple Grove... | 1st prem. |
| Cow—Pigeon | G. Bement & Son, Maple Grove... | 1st prem. |
| CLASS III—POLLED ANGUS—BULLS. | | |
| Brilliant, three years old and over | Dr. G. M. Dixon, Sacramento | 1st prem. |
| Hero, one year old | Dr. G. M. Dixon, Sacramento | 1st prem. |
| Pactolus Prince, under one year..... | Dr. G. M. Dixon, Sacramento | 1st prem. |
| COWS. | | |
| Coquette of Lake Forest, three years old and over..... | Dr. G. M. Dixon, Sacramento | 1st prem. |
| Lady Whitmore, three years old and over. | Dr. G. M. Dixon, Sacramento | 2d prem. |
| Dorcas of Argonaut, two years old | Dr. G. M. Dixon, Sacramento | 1st prem. |
| Coquette of Argonaut, one year old | Dr. G. M. Dixon, Sacramento | 1st prem. |
| Lady Argonaut, under one year | Dr. G. M. Dixon, Sacramento | 1st prem. |
| HERDS. | | |
| Over two years—Bull: Brilliant; cows: Eva, Coquette of Lake Forest, Lady Whitmore, and Dorcas of Argonaut..... | Dr. G. M. Dixon, Sacramento | 1st prem. |
| SWEEPSTAKES. | | |
| Bull—Brilliant | Dr. G. M. Dixon, Sacramento | 1st prem. |
| Cow—Coquette of Lake Forest | Dr. G. M. Dixon, Sacramento | 1st prem. |
| CLASS V—AYRESHIRE—BULLS. | | |
| Red Mikado, three years old and over | G. Bement & Son, Maple Grove... | 1st prem. |
| Faust, two years old | G. Bement & Son, Maple Grove... | 1st prem. |
| Frazier, one year old | G. Bement & Son, Maple Grove... | 1st prem. |
| Festus, under one year | G. Bement & Son, Maple Grove... | 1st prem. |
| COWS. | | |
| Marian, three years old and over | G. Bement & Son, Maple Grove... | 1st prem. |
| Faxonia, three years old and over..... | G. Bement & Son, Maple Grove... | 2d prem. |
| Satilla, two years old | G. Bement & Son, Maple Grove... | 1st prem. |
| Manon, one year old | G. Bement & Son, Maple Grove... | 1st prem. |
| Serena, under one year | G. Bement & Son, Maple Grove... | 1st prem. |
| HERD. | | |
| Over two years—Bull: Red Mikado; cows: Marian, Sabrina, Faxonia, and Satilla... | G. Bement & Son, Maple Grove... | 1st prem. |
| Under two years—Bull: Frazier; cows: Favonia, Manon, Susanne, and Serena... | G. Bement & Son, Maple Grove... | 1st prem. |
| SWEEPSTAKES. | | |
| Bull—Red Mikado | G. Bement & Son, Maple Grove... | 1st prem. |
| Cow—Faxonia | G. Bement & Son, Maple Grove... | 1st prem. |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------|-----------|
| CLASS VI—JERSEYS—BULLS. | | |
| Prince of Oakland, three years old and over | P. C. Anderson, Oakland | 1st prem. |
| Santa Rosa Chief, two years old | John Ward, Oakland | 1st prem. |
| Highland Philip, two years old | P. C. Anderson, Oakland | 2d prem. |
| Captain 2d, under one year | John Ward, Oakland | 1st prem. |
| COWS. | | |
| Lena, three years old and over | P. C. Anderson, Oakland | 1st prem. |
| Melo of Forest Grove, three years old and over | John Ward, Oakland | 2d prem. |
| Buttercup, two years old | John Ward, Oakland | 1st prem. |
| Europe, two years old | P. C. Anderson, Oakland | 2d prem. |
| Maud, one year old | John Ward, Oakland | 1st prem. |
| Daisy, under one year | John Ward, Oakland | 1st prem. |
| HERDS. | | |
| Over two years—Bull: Santa Rosa Chief; cows: Sadie, Bonita, Melo of Forest Grove, and Olafina | John Ward, Oakland | 1st prem. |
| Under two years—Bull: Captain 2d; cows: Maud, Cherry Blossom, Lily Mix 2d, and Bonita 2d | John Ward, Oakland | 1st prem. |
| SWEEPSTAKES. | | |
| Bull—Prince of Oakland | P. C. Anderson, Oakland | 1st prem. |
| Cow—Bonillo 2d | P. C. Anderson, Oakland | 1st prem. |
| CLASS VII—HOLSTEINS—BULLS. | | |
| Aaggie Cortez, three years old and over | Mrs. F. H. Burke, Menlo Park | 1st prem. |
| Troy Sedro, two years old | Mrs. F. H. Burke, Menlo Park | 1st prem. |
| Thessa Lad, two years old | Mrs. F. H. Burke, Menlo Park | 2d prem. |
| Lord Thessa, one year old | Mrs. F. H. Burke, Menlo Park | 1st prem. |
| San Mateo, one year old | Mrs. F. H. Burke, Menlo Park | 2d prem. |
| —, under one year | Mrs. F. H. Burke, Menlo Park | 1st prem. |
| COWS. | | |
| Sylpha, three years old and over | Mrs. F. H. Burke, Menlo Park | 1st prem. |
| Thessa, three years old and over | Mrs. F. H. Burke, Menlo Park | 2d prem. |
| Florenda, two years old | Mrs. F. H. Burke, Menlo Park | 1st prem. |
| Lonetta, two years old | Mrs. F. H. Burke, Menlo Park | 2d prem. |
| Princess Menlo, one year old | Mrs. F. H. Burke, Menlo Park | 1st prem. |
| Lady Sedro, under one year | Mrs. F. H. Burke, Menlo Park | 1st prem. |
| HERDS. | | |
| Over two years—Bull: Aaggie Cortez; cows: Sylpha, Thessa, Ontaretta, and Aaggie Lelia | Mrs. F. H. Burke, Menlo Park | 1st prem. |
| Under two years—Bull: Lord Thessa; cows: Thelma, Princess Menlo, Lady Sedro, and Aaggie Lelia 2d | Mrs. F. H. Burke, Menlo Park | 1st prem. |
| SWEEPSTAKES. | | |
| Bull—Aaggie Cortez | Mrs. F. H. Burke, Menlo Park | 1st prem. |
| Cow—Ontaretta | Mrs. F. H. Burke, Menlo Park | 1st prem. |
| CLASS VIII—GRADED CATTLE—COWS. | | |
| Julie, three years old and over | W. H. Hinchman, Oakland | 1st prem. |
| Nellie, two years old | W. H. Hinchman, Oakland | 1st prem. |
| Lucy 2d, one year old | John Ward, Oakland | 1st prem. |
| Lady Allen, under one year | W. H. Hinchman, Oakland | 1st prem. |
| CLASS XI—SOUTHDOWN SHEEP. | | |
| Ram one year old | G. Bement & Son, Maple Grove | 1st prem. |
| Pen of three ewes, two years old and over | G. Bement & Son, Maple Grove | 1st prem. |
| Pen of three ewes, one year old | G. Bement & Son, Maple Grove | 1st prem. |
| Flock—one ram and five ewes | G. Bement & Son, Maple Grove | 1st prem. |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------------|-----------|
| CLASS XII—SHROPSHIRE DOWNS. | | |
| Royal Prince, two years old and over..... | Andrew Smith, Redwood City | 1st prem. |
| Star, one year old..... | Andrew Smith, Redwood City | 1st prem. |
| Pen of three ewes, two years old and over..... | Andrew Smith, Redwood City | 1st prem. |
| Pen of three ram lambs..... | Andrew Smith, Redwood City | 1st prem. |
| Pen of three ewes, one year old..... | Andrew Smith, Redwood City | 1st prem. |
| Pen of three ewe lambs..... | Andrew Smith, Redwood City | 1st prem. |
| Flock—Royal Prince and five ewes..... | Andrew Smith, Redwood City | 1st prem. |
| CLASS XIII—ANGORA GOATS. | | |
| Dick, thoroughbred buck..... | Andrew Smith, Redwood City | 1st prem. |
| Pet, thoroughbred ewe..... | Andrew Smith, Redwood City | 1st prem. |
| CLASS XIV—BERKSHIRE SWINE—BOARS. | | |
| Royal Duke, two years old and over..... | Andrew Smith, Redwood City | 1st prem. |
| Model Duke, one year old..... | Andrew Smith, Redwood City | 1st prem. |
| Redwood Chief, six months old and under one year..... | Andrew Smith, Redwood City | 1st prem. |
| SOWS. | | |
| Perfection 2d, two years old and over..... | Andrew Smith, Redwood City | 1st prem. |
| Redwood Stumpy, one year old..... | Andrew Smith, Redwood City | 1st prem. |
| Duchess, six months old and under one year..... | Andrew Smith, Redwood City | 1st prem. |
| Five pigs, three months old and under six..... | Andrew Smith, Redwood City | 1st prem. |
| Sow and litter of five suckling pigs..... | Andrew Smith, Redwood City | 1st prem. |
| CLASS XV—ESSEX SWINE—BOARS. | | |
| ——, two years old and over..... | G. Bement & Son, Maple Grove..... | 1st prem. |
| ——, six months old and under one year..... | G. Bement & Son, Maple Grove..... | 1st prem. |
| SOWS. | | |
| ——, one year old..... | G. Bement & Son, Maple Grove..... | 1st prem. |
| ——, six months old and under one year..... | G. Bement & Son, Maple Grove..... | 1st prem. |
| CLASS XVI—POLAND-CHINA SWINE—BOARS. | | |
| San Carlos, two years old and over..... | Andrew Smith, Redwood City | 1st prem. |
| Tecumseh Boy, one year old..... | Andrew Smith, Redwood City | 1st prem. |
| Redwood Chief, six months old and under one year..... | Andrew Smith, Redwood City | 1st prem. |
| SOWS. | | |
| Redwood Ruby, two years old and over..... | Andrew Smith, Redwood City | 1st prem. |
| Gem, one year old..... | Andrew Smith, Redwood City | 1st prem. |
| Redwood Belle, six months old and under one year..... | Andrew Smith, Redwood City | 1st prem. |
| Five pigs, three months old and under six..... | Andrew Smith, Redwood City | 1st prem. |
| Sow and litter of five suckling pigs..... | Andrew Smith, Redwood City | 1st prem. |
| CLASS XVII—POULTRY. | | |
| Best pair Guinea fowls..... | G. Bement & Son, Maple Grove..... | 1st prem. |
| Best pair Black Spanish fowls..... | C. Ruelh, Oakland..... | 1st prem. |
| Best pair Houdan fowls..... | C. Ruelh, Oakland..... | 1st prem. |
| Best and largest collection of fowls..... | C. Ruelh, Oakland..... | 1st prem. |
| Best pair Tennessee geese..... | John Ward, Oakland..... | 1st prem. |
| Best pair Dark Brahma fowls..... | John Ward, Oakland..... | 1st prem. |
| Best pair Partridge Orpington fowls..... | John Ward, Oakland..... | 1st prem. |
| Best pair Bronze turkeys..... | John Ward, Oakland..... | 1st prem. |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------|-----------|
| CLASS II—AGRICULTURAL MACHINES. | | |
| Comb used cultivator and weeder..... | E. D. Gettow, Lafayette..... | 1st prem. |

SPEED PROGRAMME.

MONDAY, AUGUST 31, 1891.

RACE No. 1—RUNNING.

For two-year olds. Purse, \$300; second horse, \$50. Five eighths of a mile.

| | |
|---|---|
| George Van Gorden's b. f. Ragna, by Jim Brown; dam, Vixen..... | 1 |
| Dickey & Thomas' b. c. Pescador, by Gano; dam, Meda Howard..... | 2 |
| Dan Miller's b. f. Melanita, by Argyle; dam, Cornelia..... | 3 |
| O. Appleby's ch. f. Esperanza, by Judge McKinstry; dam, May D..... | 0 |
| Wilber F. Smith's ch. f. Blondinette, by Joe Hooker; dam, Margaretta..... | 0 |
| D. J. McCarty's b. c. Romair, by Argyle; dam, imp. Rosetta..... | 0 |

Time—1:01½.

RACE No. 2—RUNNING.

For three-year olds and over. Purse, \$400; second horse, \$50; third, \$25. One mile.

| | |
|---|---|
| L. J. Rose's b. m. Fairy, by Argyle; dam, imp. Fairy Rose..... | 1 |
| Fashion Stable's b. f. Cheerful, by Three Cheers; dam, Queen Emma..... | 2 |
| Elmwood Stable's b. m. Initiation, by Inauguration; dam, Brown Maria..... | 3 |
| O. Appleby's b. c. Wild Rose, by Wildidle; dam, Roseland..... | 0 |
| P. Siebenthaler's ch. s. King Hooker, by Joe Hooker; dam, Violet..... | 0 |

Time—1:41½.

RACE No. 3—RUNNING.

Selling purse. Purse, \$400; second horse, \$50; third, \$25. Five eighths of a mile heats.

| | | | |
|---|---|---|-------|
| Dan Miller's ch. m. Ida Glenn, by Glen Ellen; dam, Queen..... | 1 | 2 | 1 |
| W. B. Sanborn's b. g. Inkerman, by Ironclad; dam, Alice..... | 2 | 1 | 2 |
| Elmwood Stable's b. m. Gladette, by Nathan Coombs; dam, Gladys..... | 3 | 3 | r. o. |
| E. Flitner's b. m. Minnie R, by Scamperdown; dam, Sallie Blair..... | 4 | 4 | r. o. |
| C. Cockrell's br. m. Sentella, by Ironclad; dam, by Bayswater..... | 5 | 5 | r. o. |

Time—1:01; 1:02; 1:04½.

RACE No. 4—RUNNING.

A handicap for all ages. Purse, \$400; second horse, \$50; third, \$25. Fifteen sixteenths of a mile.

| | |
|--|---|
| D. Bridges' g. g. John Treat, by Shiloh..... | 1 |
| George Van Gorden's ch. s. Del Mar, by Somnus; dam, Maid of the Hills..... | 2 |
| Owen Bros.' br. s. Captain Al, by Kingston; dam, Black Maria..... | 3 |
| O. Appleby's b. m. Alfarata, by Wildidle; dam, Monday filly..... | 0 |
| Dan Reeves' blk. f. Onti Ora, by Alta; dam, Thetis..... | 0 |

Time—1:34½.

TUESDAY, SEPTEMBER 1, 1891.

RACE No. 5—TROTTING.

2:40 Class. Gentlemen's roadsters. Purse, \$150. Mile heats, best three in five.

| | | | | |
|--|---|---|---|------|
| A. B. Tennant's b. g. Aloha, by Venture..... | 1 | 1 | 1 | |
| P. E. Dalton's br. m. Maud O, by Patchen; dam, Lady Powers..... | 2 | 2 | 2 | |
| S. M. Martin's b. g. Stanhope, by Venture; dam, by Overland..... | | | | dis. |
| W. F. Coleman's blk. m. Lillian, by Adonis..... | | | | dis. |

Time—2:39; 2:42½; 2:38½.

RACE No. 6—TROTTING.

2:20 Class. Purse \$1,000. Mile heats, best three in five.

| | | | | | |
|---|---|---|---|---|---|
| San Mateo Stock Farm's b. m. Una Wilkes, by Guy Wilkes; dam, Blanche..... | 2 | 1 | 2 | 1 | 1 |
| J. W. Donathan's br. g. Franklin, by General Reno..... | 3 | 2 | 1 | 2 | 3 |
| O. A. Hickok's ch. m. Mary Lou, by Tom Benton; dam, Brown Jennie..... | 1 | 4 | 3 | 3 | 2 |
| Charles Baab's b. s. Cupid, by Sidney; dam, Venus..... | 4 | 3 | 4 | 4 | 4 |

Time—2:20½; 2:19½; 2:21½; 2:21.

RACE No. 7—TROTTING.

2:30 Class. Purse, \$800. Mile heats, best three in five.

| | | | | | |
|---|---|---|---|---|--|
| D. C. Brown's br. s. Sunrise, by Abbotsford; dam, Signal..... | 2 | 1 | 1 | 1 | |
| R. Murphy's b. m. Maud Dee, by Anteo; dam, by Nutwood..... | 1 | 3 | 3 | 3 | |
| R. D. Fox's ch. s. Chancellor, by Bismarck; dam, Lucy..... | 5 | 2 | 2 | 4 | |
| A. C. Dietz's b. g. Tippu Tib, by Reliance; dam, Sallie Hart..... | 4 | 5 | 5 | 2 | |
| W. R. Harris' ch. s. Delmas, by Almont; dam, Queen..... | 3 | 4 | 4 | 5 | |

Time—0:00; 2:28½; 2:25½; 2:29.

WEDNESDAY, SEPTEMBER 2, 1891.

RACE No. 8—TROTTING.

2:35 Class. Purse, \$600. Mile heats, best three in five.

| | | | | | |
|---|---|---|---|---|------|
| R. Havey's br. g. Colonel May, by May Boy..... | 2 | 2 | 1 | 1 | 1 |
| San Mateo Stock Farm's b. f. Serena, by Sable Wilkes; dam, Eva..... | 1 | 1 | 2 | 2 | 2 |
| Miles Knox's b. s. Blue Bull, by Blue Bull..... | 3 | 3 | | | dis. |
| Ben E. Harris' b. g. General Blucher, by Sterling; dam, by Brigadier..... | | | | | dis. |

Time—2:31; 2:29½; 2:28½; 2:29½; 2:34½.

RACE No. 9—PACING.

2:25 Class. Purse, \$800. Mile heats, best three in five.

| | | | | | |
|---|---|---|---|---|------|
| O. A. Hickok's gr. m. Lily, by Steinway; dam, by Whipple's Hambletonian..... | 3 | 1 | 1 | 1 | |
| G. Lapham's b. g. Haviland, by Sterling; dam, by Sequel..... | 1 | 2 | 2 | 3 | |
| John Norman's b. g. Cyrus, by Captain Webster..... | 4 | 4 | 3 | 2 | |
| Nutwood Stock Farm's b. m. Lida W, by Nutwood; dam, by G. M. Patchen, Jr..... | 2 | 3 | 4 | 4 | |
| R. D. Ledgett's b. m. Lady Markham, by Bismarck; dam, by Weston..... | | | | | dis. |

Time—2:27; 2:22½; 2:20½.

RACE No. 10—TROTTING.

For named horses. Purse, \$100. Mile heats, best three in five.

| | | | | | |
|--|---|---|---|---|------|
| D. Misner's b. g. John L..... | 2 | 2 | 1 | 1 | 1 |
| Thomas Smith's br. m. Maud..... | 3 | 1 | 2 | 2 | 2 |
| E. B. Heald's br. m. Belle Thorne..... | 1 | 3 | 3 | 3 | 3 |
| F. H. Burke's br. g. Daylight..... | | | | | dis. |

Time—2:38; 2:37½; 2:39; 2:37½; 2:36½.

THURSDAY, SEPTEMBER 3, 1891.

RACE No. 11—RUNNING.

For two-year olds. Purse, \$350; second horse, \$50. Three quarters of a mile.

| | |
|---|---|
| George Van Gorden's b. c. Dr. Ross, by Cheviot; dam, Beauty..... | 1 |
| Dickey & Thomas' b. c. Pescador, by Gano; dam, Meda Howard..... | 2 |
| Ocean View Stable's ch. f. Folly, by Wildidle; dam, Fostress..... | 3 |
| Wilber F. Smith's ch. f. Blondinette, by Joe Hooker; dam, Margaretta..... | 0 |
| D. J. McCarty's ch. f. Edith, by Wildidle; dam, Centennial Belle..... | 0 |

Time—1:15½.

RACE No. 12—RUNNING.

A handicap for all ages. Purse, \$400; second horse, \$50; third, \$25. One mile.

| | |
|--|---|
| D. Bridges' g. g. John Treat, by Shiloh..... | 1 |
| Fashion Stable's b. f. Cheerful, by Three Cheers; dam, Queen Emma..... | 2 |
| Owen Bros.' b. s. Captain Al, by Kingston; dam, Black Maria..... | 3 |
| W. B. Sanborn's b. f. Mamie C, by Harry Peyton; dam, Nellie Shannon..... | 0 |
| P. Siebenthaler's ch. s. King Hooker, by Joe Hooker; dam, Violet..... | 0 |

Time—1:41½.

RACE No. 13—TROTTING.

For named horses. Purse, \$500. Mile heats, best three in five.

| | | | | | | |
|---|------|---|---|---|---|---|
| R. Murphy's b. m. Maud Dee, by Anteeo; dam, by Nutwood..... | 1 | 2 | 2 | 2 | 1 | 1 |
| John Garrity's gr. m. Fanny D, by Anteeo..... | 4 | 1 | 4 | 1 | 4 | 3 |
| A. C. Dietz's b. g. Tippu Tib, by Reliance; dam, Sallie Hart..... | 2 | 3 | 1 | 4 | 2 | 2 |
| J. W. Donathan's b. s. Thornhill, by Beverly Wilkes; dam, by George Wilkes..... | 3 | 4 | 3 | 3 | 3 | 0 |
| Ben E. Harris' b. g. Harry Mc..... | dis. | | | | | |

Time—2:28; 2:27; 2:26; 2:26; 2:27½; 2:30.

RACE No. 14—RUNNING.

Purse, \$400; second horse, \$50; third, \$25. One and one sixteenth miles.

| | |
|---|---|
| L. J. Rose's b. m. Fairy, by Argyle; dam, imp. Fairy Rose..... | 1 |
| P. Siebenthaler's ch. s. Sheridan, by Young Bazaar; dam, Lost Girl..... | 2 |
| O. Appleby's b. c. Wild Rose, by Wildidle; dam, Roseland..... | 3 |

Time—1:48.

FRIDAY, SEPTEMBER 4, 1891.

RACE No. 15—TROTTING.

2:40 Class. For two-year olds. Purse, \$400. Mile heats, best two in three.

| | | | |
|---|---|---|---|
| Wilber F. Smith's b. c. Keblr, by Alcazar; dam, Yerba Santa..... | 1 | 2 | 1 |
| San Mateo Stock Farm's blk. c. Macleay, by Sable Wilkes; dam, Mamie Comet.. | 2 | 1 | 2 |

Time—2:32; 2:31; 2:29.

RACE No. 16—TROTTING.

2:26 Class. Purse, \$600. Mile heats, best three in five.

| | | | | | |
|---|---|---|---|---|---|
| Funk Bros.' b. m. Lizzie F, by Richards' Elector; dam, Lady Mc..... | 3 | 1 | 3 | 1 | 1 |
| Martin Carter's ch. m. Maud C, by California Nutwood; dam, Zola..... | 1 | 2 | 1 | 3 | 2 |
| W. B. Sanborn's ch. s. Ned Lock, by Antelope; dam, Dolly..... | 2 | 5 | 5 | 2 | 3 |
| Agnew Stock Farm's br. m. Flora G, by Altoona; dam, Susie..... | 5 | 4 | 2 | 4 | 4 |
| San Mateo Stock Farm's ch. s. Beaumont, by Le Grande; dam, Oak Grove Belle..... | 4 | 3 | 4 | 5 | 5 |

Time—2:22; 2:23; 2:25; 2:25; 2:25½.

RACE No. 17—PACING.

2:16 Class. Purse, \$1,000. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| San Mateo Stock Farm's br. s. Rupee, by Guy Wilkes; dam, Sable Hayward | 1 | 1 | 1 |
| L. M. Morse's b. m. Princess Alice, by Dexter Prince; dam, Molly | 4 | 2 | 2 |
| John Garrity's ch. g. Hummer, by Sidney; dam, Humming Bird | 2 | 4 | 4 |
| E. P. Heald's b. g. Gold Medal, by Nephew, Jr. | 3 | 3 | 3 |

Time—2:22; 2:18; 2:17.

SATURDAY, SEPTEMBER 5, 1891.

RACE No. 18—RUNNING.

Purse, \$300; second horse, \$75; third, \$25. Five eighths of a mile.

| | |
|--|---|
| D. J. McCarty's b. c. Romair, by Argyle; dam, imp. Rosetta | 1 |
| Dickey & Thomas' b. c. Pescador, by Gano; dam, Meda Howard | 2 |
| Dan Miller's b. f. Melanita, by Argyle; dam, Cornelia | 3 |
| O. Appleby's ch. f. Esperanza, by Judge McKinstry; dam, May D | 0 |
| Wilber F. Smith's ch. f. Blondinette, by Joe Hooker; dam, Margaretta | 0 |

Time—1:02.

RACE No. 19—RUNNING.

A handicap. Purse, \$300; second horse, \$75; third, \$25. One half mile heats.

| | | |
|---|---|---|
| W. B. Sanborn's b. g. Inkerman, by Ironclad; dam, Alice | 1 | 1 |
| Dan Miller's ch. m. Ida Glenn, by Glen Ellen; dam, Queen | 3 | 2 |
| E. Flitner's b. m. Minnie R, by Scamperdown; dam, Sallie Blair | 2 | 3 |
| W. B. Sanborn's b. g. Pat Carroll, by Ironclad; dam, Fanny Gordon | 4 | 4 |

Time—0:49½; 0:49.

RACE No. 20—RUNNING.

A handicap. Purse, \$300; second horse, \$75; third, \$25. One and one eighth miles.

| | |
|---|---|
| O. Appleby's b. m. Fannie F, by Wildidle; dam, Sallie Hart | 1 |
| Dan Reeves' blk. f. Onti Ora, by Alta; dam, Thetis | 2 |
| W. B. Sanborn's b. f. Mamie C, by Harry Peyton; dam, Nellie Shannon | 3 |

Time—1:57.

RACE No. 21—RUNNING.

Owners' handicap. Purse \$300; second horse, \$75; third, \$25. One mile.

| | |
|---|---|
| O. Appleby's b. m. Alfarata, by Wildidle; dam, Monday filly | 1 |
| E. Flitner's b. m. Minnie R, by Scamperdown; dam, Sallie Blair | 2 |
| P. Siebenthaler's ch. s. Sheridan, by Young Bazaar; dam, Lost Girl | 3 |
| Dan Reeves' blk. f. Onti Ora, by Alta; dam, Thetis | 0 |
| W. B. Sanborn's b. f. Mamie C, by Harry Peyton; dam, Nellie Shannon | 0 |

Time—1:48½.

TRANSACTIONS
OF THE
SECOND DISTRICT AGRICULTURAL ASSOCIATION
For the Year 1891,
Composed of the Counties of San Joaquin and Calaveras.

OFFICERS OF THE ASSOCIATION.

| | |
|--|------------|
| L. U. SHIPPEE | President. |
| J. M. LA RUE (Post Office Box 188, Stockton, Cal.) | Secretary. |
| A. W. SIMPSON (Stockton, Cal.) | Treasurer. |

DIRECTORS.

| | |
|-------------------------|-----------------|
| LOUIS GERLACH | Stockton. |
| C. M. WHITLOCK | San Andreas. |
| L. U. SHIPPEE | Stockton. |
| FRED. ARNOLD | Stockton. |
| H. A. MESSENGER | Valley Springs. |
| C. E. NEEDHAM | Belota. |
| JAMES A. SHEPHERD | Lathrop. |
| B. F. LANGFORD | Lodi. |



PAVILION AND EXHIBITION BUILDING, ROBERTSON, CALIFORNIA.

REPORT.

STOCKTON, December 14, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the San Joaquin Valley Agricultural Association, District No. 2, California, submit this, their report of the transactions of said association, for the year ending this date.

J. M. LA RUE,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|--|-----------|--------------------|
| Balance cash | \$2 86 | |
| Rent of Pavilion to date | 347 50 | |
| Rent of Park, and storage | 350 00 | |
| Sale of Life Memberships, eight at \$50 | 400 00 | |
| Subscriptions to kite-shaped track, as per list herewith submitted | 4,183 00 | |
| Park and Pavilion receipts | 11,158 85 | |
| Privileges | 5,070 50 | |
| Entrance money to races | 5,280 00 | |
| State Controller's warrants | 3,500 00 | |
| Second annual series of record meeting, 1891 | 2,513 05 | |
| Donations, as per list appended | 136 25 | |
| | | <u>\$32,892 01</u> |

Expenditures.

| | | |
|---|------------|--------------------|
| Account of kite-shaped track | \$8,308 44 | |
| Improvements of Park | 653 80 | |
| Account of record meeting, 1890 | 90 00 | |
| Pavilion furniture account | 205 50 | |
| Pavilion improvements | 312 85 | |
| Entrance money returned | 200 00 | |
| Insurance | 381 00 | |
| Account of premiums, 1891 | 2,846 34 | |
| General expenses, 1891 | 7,778 28 | |
| Purses to date | 8,584 00 | |
| Expenses of record meeting, 1891 | 1,680 70 | |
| Interest (two years) association's note | 1,881 30 | |
| Balance | 26 80 | |
| | | <u>\$32,892 01</u> |

DONATIONS, 1891.

| | |
|---|-----------------|
| From Stockton Combined Harvester and Agricultural Works | \$45 50 |
| From L. U. Shippee | 67 50 |
| From B. F. Langford | 18 25 |
| From Col. Geo. B. Sperry | 5 00 |
| | <u>\$136 25</u> |

DONATIONS TO AID IN BUILDING THE KITE-SHAPED TRACK.

| | | | |
|-----------------------------|------------|---------------------------------|---------|
| W. S. Hobart..... | \$1,000 00 | Sharp Bros..... | \$20 00 |
| Sperry & Co..... | 500 00 | I. D. Holden..... | 5 00 |
| Sargent Bros..... | 200 00 | W. D. Buckley..... | 5 00 |
| F. D. Cobb..... | 100 00 | McErlane & Adams..... | 5 00 |
| L. U. Shippee..... | 500 00 | Haas & Castle..... | 5 00 |
| N. Nevins..... | 50 00 | B. W. Moore..... | 5 00 |
| H. C. Shaw..... | 50 00 | Doan & Kearns..... | 5 00 |
| Thos. Cunningham..... | 50 00 | Jack Douglass..... | 5 00 |
| L. A. Richards..... | 200 00 | John Kahlmoose..... | 10 00 |
| B. F. Langford..... | 100 00 | P. H. Ganeand..... | 5 00 |
| J. K. Doak..... | 50 00 | Geo. Goodell..... | 5 00 |
| J. H. Budd..... | 50 00 | Pat Fee..... | 5 00 |
| F. T. Baldwin..... | 20 00 | H. E. Barber..... | 5 00 |
| D. Young..... | 100 00 | Byrnes & Vinit..... | 10 00 |
| A. Chalmers..... | 25 00 | Hatch & Fitzgerald..... | 10 00 |
| J. L. Dunham..... | 20 00 | Mrs. A. S. Rider..... | 20 00 |
| T. J. Weber..... | 20 00 | A. Clark..... | 10 00 |
| R. T. Lane..... | 20 00 | C. E. Perkins..... | 5 00 |
| J. F. Moseley..... | 10 00 | Cash..... | 1 00 |
| W. S. McMurtry..... | 20 00 | John E. Gross..... | 25 00 |
| Enoch Peyton..... | 20 00 | Drs. Hudson..... | 5 00 |
| John Herd, Jr..... | 10 00 | M. Manaco..... | 5 00 |
| R. E. Wilhoit & Sons..... | 25 00 | John Elliott..... | 2 00 |
| Jackson & Earle..... | 20 00 | Chas. Parker..... | 5 00 |
| R. R. Smith..... | 10 00 | J. H. Tam..... | 10 00 |
| John H. Collins..... | 10 00 | Dr. L. E. Cross..... | 10 00 |
| C. E. Rich..... | 10 00 | D. Bryson..... | 25 00 |
| E. P. Parker..... | 25 00 | W. Snow..... | 50 00 |
| C. M. Ward..... | 10 00 | H. H. Hewlett..... | 25 00 |
| W. H. Parker..... | 25 00 | Cash..... | 5 00 |
| H. O. Southworth..... | 10 00 | John Herman..... | 5 00 |
| A. L. Wulf..... | 5 00 | C. L. Ortman..... | 10 00 |
| C. J. Haas..... | 10 00 | G. P. Williams..... | 10 00 |
| Frank Madden..... | 25 00 | Stockton Street Railway Co..... | 25 00 |
| W. R. Clark..... | 25 00 | Funck Bros..... | 250 00 |
| P. Musto..... | 10 00 | L. Gerlach..... | 50 00 |
| J. W. Smith..... | 20 00 | J. D. McDougald..... | 100 00 |
| Garvin, Baldwin & Eyre..... | 20 00 | | |

RAINFALL IN STOCKTON SINCE 1849.

The following table of the rainfall in Stockton since 1849 was prepared from the records kept at the State Insane Asylum, and is arranged according to the seasons, showing the amount, in inches, of each month, during thirty-nine years, to December 23, 1881; also, the quantity for every month and the annual amount of rain:

| MONTH. | 1849. | 1850. | 1851. | 1852. | 1853. | 1854. | 1855. | 1856. | 1857. | 1858. | 1859. | 1860. | 1861. | 1862. | 1863. | 1864. | 1865. | 1866. | 1867. | 1868. | 1869. |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|-------|
| September | .250 | | 1.000 | .003 | | | | .450 | .655 | | sp'k'l | .068 | sp'k'l | .355 | .003 | .004 | .080 | | .080 | | |
| October | 1.500 | | .180 | | | .130 | .310 | .890 | 2.406 | 3.010 | .025 | .914 | 2.170 | .005 | 1.490 | .120 | .480 | .001 | .620 | .180 | 1.050 |
| November | 2.250 | | 7.070 | 6.000 | .610 | .310 | .740 | .890 | 2.406 | 3.010 | .025 | .914 | 2.170 | .005 | 1.490 | .120 | .480 | .001 | .620 | .180 | 1.050 |
| December | 12.500 | | 7.070 | 13.410 | 1.350 | .280 | 2.420 | 2.900 | 6.682 | 4.329 | 1.834 | 4.282 | 8.637 | 2.827 | 1.815 | 7.867 | .364 | 9.511 | 6.480 | 3.450 | 1.550 |
| MONTH. | 1850. | 1851. | 1852. | 1853. | 1854. | 1855. | 1856. | 1857. | 1858. | 1859. | 1860. | 1861. | 1862. | 1863. | 1864. | 1865. | 1866. | 1867. | 1868. | 1869. | 1870. |
| January | 4.500 | .650 | .580 | 2.400 | 2.640 | 2.900 | 4.500 | 1.375 | 2.444 | .964 | 2.310 | 2.668 | 15.086 | 1.733 | 4.776 | 7.699 | 3.440 | 5.070 | 4.180 | .370 | |
| February | .500 | .350 | .120 | .620 | 8.940 | 2.740 | .020 | 4.801 | 2.461 | 3.906 | .931 | 2.920 | 4.260 | 2.751 | .180 | .712 | 2.010 | 7.104 | 2.280 | 3.170 | 2.350 |
| March | 10.000 | 1.180 | 6.400 | 2.020 | 3.600 | 2.200 | .260 | .675 | 2.878 | 1.637 | 5.110 | 3.320 | 2.900 | 2.860 | 1.303 | .481 | 2.018 | 1.010 | 3.510 | 2.490 | .980 |
| April | 4.250 | 1.140 | .190 | 2.700 | 3.240 | 3.290 | .160 | sp'k'l | 1.214 | .981 | 2.874 | .475 | .821 | 1.693 | 1.090 | 1.370 | .476 | 1.805 | .560 | 1.590 | .070 |
| May | .250 | .690 | .300 | .250 | .660 | .170 | sp'k'l | sp'k'l | .203 | 1.037 | 2.491 | .590 | 1.806 | .355 | .742 | .460 | 2.252 | .008 | .820 | .120 | |
| June | | | | | | .100 | .350 | .098 | | .107 | .135 | .011 | .087 | | | .100 | | | | .310 | |
| July | | | | | | | | | | .080 | | | .006 | | | .004 | | | | | |
| August | | | | | | | | | | | | | | | | | | | | | |
| Totals | 36.000 | 4.710 | 17.980 | 27.403 | 21.040 | 11.680 | 8.370 | 11.081 | 18.991 | 16.041 | 22.716 | 15.548 | 35.549 | 11.579 | 7.862 | 22.512 | 17.924 | 25.305 | 20.710 | 16.350 | 7.640 |
| MONTH. | 1870. | 1871. | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. | 1889. | 1890. |
| September | .150 | .140 | .080 | .310 | 1.090 | .010 | 2.110 | .360 | .340 | .580 | | .003 | .500 | .180 | .190 | | .220 | .270 | .880 | .570 | .140 |
| October | .670 | 1.090 | .760 | .760 | 3.450 | 5.860 | .300 | .720 | .510 | 2.060 | .045 | .240 | 1.860 | .930 | 1.400 | | .840 | .520 | 2.700 | 3.390 | .240 |
| November | 10.350 | 11.490 | 6.250 | 3.940 | .230 | 2.850 | | 1.310 | .420 | 1.670 | 7.080 | 1.650 | .270 | 1.000 | 5.690 | 1.240 | .820 | 3.060 | 2.420 | 6.170 | 1.770 |
| December | | | | | | | | | | | | | | | | | | | | | |
| MONTH. | 1871. | 1872. | 1873. | 1874. | 1875. | 1876. | 1877. | 1878. | 1879. | 1880. | 1881. | 1882. | 1883. | 1884. | 1885. | 1886. | 1887. | 1888. | 1889. | 1890. | 1891. |
| January | 1.470 | 2.580 | .750 | 3.940 | 4.540 | 3.260 | 3.820 | 5.450 | 1.540 | 2.890 | 1.270 | 2.550 | 1.940 | 1.230 | 5.390 | .360 | .360 | 3.860 | .310 | 4.990 | .290 |
| February | 1.700 | 3.460 | 3.970 | 1.780 | .280 | 2.650 | .230 | 6.700 | 2.940 | 2.500 | .840 | .350 | 4.430 | .500 | .040 | .370 | .370 | .480 | .980 | 1.660 | .280 |
| March | .300 | 1.430 | .470 | 3.330 | .870 | 3.230 | .750 | 2.560 | 2.060 | .890 | .820 | 2.550 | 6.660 | .290 | 1.210 | .210 | .210 | .290 | .980 | 1.380 | .280 |
| April | .690 | .510 | .439 | .560 | | .400 | | 1.010 | 1.750 | 1.110 | 2.210 | 1.230 | 2.940 | .770 | 3.430 | 1.570 | .250 | .280 | .140 | 1.240 | .280 |
| May | .400 | .090 | | .580 | | .320 | .650 | .960 | 1.010 | .280 | .480 | .480 | | | | | .550 | .550 | .550 | .440 | .020 |
| June | sp'k'l | .040 | | | | | | | | | | | | | | | .080 | | | | |
| July | sp'k'l | .080 | | | | .070 | | | | | | | | | | | | | | | |
| August | | | | | | | | | | | | | | | | | | | | | |
| Totals | 6.730 | 20.800 | 13.300 | 15.200 | 11.140 | 18.330 | 7.080 | 18.760 | 11.460 | 15.340 | 14.685 | 10.693 | 15.260 | 20.360 | 9.620 | 17.360 | 7.880 | 10.810 | 12.990 | 22.370 | 9.050 |

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT—AT PARK.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------------|---------------------|
| CLASS I—THOROUGHBREED STALLIONS. | | |
| Fellowcharm, four years old..... | L. U. Shippee, Stockton..... | \$25 00 |
| Henry T, three years old..... | J. H. Walker, Selma..... | 8 00 |
| Sonoma, two years old..... | D. McCarty, Pleasanton..... | 15 00 |
| Monowai, one year old..... | W. Bryan, San José..... | 10 00 |
| Alliance, one year old..... | C. Halverson, Sacramento..... | 4 00 |
| MARES. | | |
| Picnic, five years old..... | L. U. Shippee, Stockton..... | 15 00 |
| Fannie Parnell, three years old..... | D. McCarty, Pleasanton..... | 5 00 |
| Edith..... | D. McCarty, Pleasanton..... | "B. & S." |
| CLASS II—TROTTING—STANDARD-BRED (DISTRICT) STALLIONS. | | |
| Hawthorne..... | L. U. Shippee, Stockton..... | \$25 00 |
| Dictator Wilkes, three years old..... | L. U. Shippee, Stockton..... | 15 00 |
| MARES. | | |
| Lucille, five years old..... | J. S. Dunham, Stockton..... | 25 00 |
| —, one year old..... | Al. Baker, Stockton..... | 5 00 |
| Lottie H, suckling filly..... | R. W. Hopkins, Stockton..... | "Cal. S. of the T." |
| FAMILIES. | | |
| Campaign and four colts..... | L. U. Shippee, Stockton..... | \$25 00 |
| CLASS III—ROADSTERS—STALLIONS. | | |
| Mt. Vernon, ten years old..... | J. A. McCloud, Stockton..... | 25 00 |
| Colonel, nine years old..... | R. W. Hopkins, Stockton..... | 8 00 |
| Wallace Bruce, three years old..... | C. Garrow, Stockton..... | 15 00 |
| —, three years old..... | C. W. Turner, Stockton..... | "Indep." |
| Voyle S, two years old..... | G. H. Shedd, Lathrop..... | \$10 00 |
| Dan Copeland, two years old..... | S. H. Childs, Lodi..... | 3 00 |
| Duster, one year old..... | C. L. Salmon, Lathrop..... | "B. & S." |
| Alto, suckling colt..... | Joshua Cowell, Stockton..... | \$2 00 |
| MARES OR GELDINGS. | | |
| Ella H, four years old..... | Frank Munson, Turlock..... | 15 00 |
| Lulu D, four years old..... | J. S. Dunham, Stockton..... | "Mail." |
| Marwis, three years old..... | Paige & Akins, Newman..... | \$10 00 |
| Blackbird, three years old..... | Thomas Stackpole, Stockton..... | 3 00 |
| —, two years old..... | Paige & Akins, Newman..... | 7 50 |
| Sister Vernon, two years old..... | J. A. McCloud, Stockton..... | 2 50 |
| Miss Vernon, one year old..... | J. A. McCloud, Stockton..... | 5 00 |
| Lady Dexter, one year old..... | C. Garrow, Stockton..... | 2 00 |
| —, suckling filly..... | J. A. McCloud, Stockton..... | 3 00 |
| Topsy, suckling filly..... | Joshua Cowell, Stockton..... | 2 00 |
| CLASS IV—HORSES FOR ALL PURPOSES—STALLIONS. | | |
| Stampede, five years old..... | Joshua Cowell, Stockton..... | 25 00 |
| Magenta, three years old..... | J. C. Smith, Oakland..... | 8 00 |
| —, two years old..... | J. A. McCloud, Stockton..... | 15 00 |
| —, suckling colt..... | G. B. Sperry, Stockton..... | 3 00 |
| MARES. | | |
| Emma, one year old..... | G. B. Sperry, Stockton..... | "Mail." |
| Belle, suckling filly..... | G. B. Sperry, Stockton..... | \$2 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|----------|
| FAMILIES. | | |
| Stampede, with six colts | Joshua Cowell, Stockton | \$15 00 |
| SPECIAL—CLEVELAND AND FRENCH COACH. | | |
| —, five years old | J. M. Ritchie, Stockton | 15 00 |
| CLASS V—DRAFT HORSES. | | |
| Oregon, four years old | J. C. Smith, Oakland | 25 00 |
| Midge, four years old | Holbert & Conger, Los Angeles | 8 00 |
| Benoit, two years old | J. C. Smith, Oakland | 15 00 |
| Don, one year old | W. B. Ellenwood, Atlanta | 9 00 |
| —, suckling colt | J. C. Smith, Oakland | 8 00 |
| MARES. | | |
| Natby Chief, three years old | Holbert & Conger, Los Angeles | Special. |
| Theresa, nine years old | J. C. Smith, Oakland | \$10 00 |
| Madam, eleven years old | W. B. Ellenwood, Atlanta | 4 00 |
| Maud, two years old | J. C. Smith, Oakland | "Turf." |
| Bess, two years old | G. E. & J. W. Johnson, Atlanta | \$2 50 |
| —, suckling filly | W. B. Ellenwood, Atlanta | 2 00 |
| FAMILIES. | | |
| Paris, with six colts | G. E. & J. W. Johnson, Atlanta | 15 00 |
| CLASS VI—CARRIAGE ANIMALS (DISTRICT). | | |
| Romeo and John | J. K. Doak, Stockton | 20 00 |
| Dollie and Queen | J. S. Dunham, Stockton | 6 00 |
| Single carriage animal | W. C. Smith, Atlanta | 7 50 |
| CLASS VIII—JACKS AND JENNIES. | | |
| Behemoth, thirteen years old | J. W. Thompson, Lathrop | Special. |
| Juno, two years old | L. U. Shippee, Stockton | \$15 00 |
| —, one year old | L. U. Shippee, Stockton | 9 00 |
| —, one year old | L. U. Shippee, Stockton | 8 00 |
| JENNIES. | | |
| —, four years old | L. U. Shippee, Stockton | 15 00 |
| —, three years old | L. U. Shippee, Stockton | 5 00 |
| —, two years old | L. U. Shippee, Stockton | 10 00 |
| —, one year old | L. U. Shippee, Stockton | 4 00 |
| CATTLE—CLASS IX—DURHAMS—BULLS. | | |
| Red Prince 3d, three years old | L. U. Shippee, Stockton | 20 00 |
| First Lord of the Valley, two years old | L. U. Shippee, Stockton | 15 00 |
| Kleber Red, one year old | L. U. Shippee, Stockton | 9 00 |
| Pony, one year old | L. U. Shippee, Stockton | 8 00 |
| Lord Princeton, calf | L. U. Shippee, Stockton | 8 00 |
| COWS. | | |
| Phyllis | L. U. Shippee, Stockton | 10 00 |
| CLASS X—JERSEYS AND GUERNSEYS—BULLS. | | |
| Santa Rosa Chief, three years old | T. Ward, Oakland | 20 00 |
| COWS. | | |
| Sadie, three years old | T. Ward, Oakland | 15 00 |
| Olafina, two years old | T. Ward, Oakland | 10 00 |
| Lucy 2d, one year old | T. Ward, Oakland | 7 50 |
| CLASS XI—AYRSHIRES—BULLS. | | |
| Ayrshire Duke, under one year | T. Ward, Oakland | 8 00 |
| COWS. | | |
| Mamie W, under one year | T. Ward, Oakland | 2 00 |
| CLASS XIII—HOLSTEINS—BULLS. | | |
| Aaggie Cortez, three years old | F. H. Burke, Menlo Park | 20 00 |
| Thessa Lad, two years old | F. H. Burke, Menlo Park | 15 00 |
| Menlo Blossom, one year old | F. H. Burke, Menlo Park | 9 00 |
| Aaggie Menlo, under one year | F. H. Burke, Menlo Park | 8 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|-------------------------------|---------|
| COWS. | | |
| Bontje Lincoln 2d | F. H. Burke, Menlo Park | \$15 00 |
| Bontje Lincoln 8d | F. H. Burke, Menlo Park | 10 00 |
| Misty Evening, calf | F. H. Burke, Menlo Park | 2 00 |
| HERDS OF CATTLE. | | |
| Holstein herd | F. H. Burke, Menlo Park | 20 00 |
| Jersey herd | T. Ward, Oakland | 20 00 |
| SPECIAL—MILCH COWS. | | |
| Bontje Lincoln 8d | F. H. Burke, Menlo Park | 3 00 |
| Bontje Lincoln 2d | F. H. Burke, Menlo Park | 3 00 |
| HERD—SWEEPSTAKES—HOLSTEINS. | | |
| Best milch herd, six or more | F. H. Burke, Menlo Park | 20 00 |
| SWINE.—CLASS XIX—ESSEX AND BERKSHIRE—BOARS. | | |
| Reno (Essex), one and one half years old | J. P. Ashley, Linden | 10 00 |
| Hero (Berkshire), one year old | C. A. Stowe, Stockton | 3 00 |
| SOWS. | | |
| Berkshire sow, one year old | C. A. Stowe, Stockton | 9 00 |
| Berkshire sow and pigs | C. A. Stowe, Stockton | 10 00 |
| POLAND-CHINA. | | |
| Poland-China sow, one year old | C. A. Stowe, Stockton | 10 00 |
| YORKSHIRE. | | |
| Eureka, one and one half years old | J. P. Ashley, Linden | 10 00 |
| Betsy Rose, one and one half years old | J. P. Ashley, Linden | 9 00 |
| CLASS XX—POULTRY. | | |
| Pair Dark Brahmas | Wm. Hickox, Stockton | 2 00 |
| Pair White Brahmas | Wm. Hickox, Stockton | 2 00 |
| Pair Partridge Cochins | L. U. Shippee, Stockton | 2 00 |
| Pair White Cochins | Wm. Hickox, Stockton | 2 00 |
| Pair Black Minorcas | W. A. French, Stockton | 2 00 |
| Trio Brown Leghorns | C. A. Stowe, Stockton | 2 00 |
| Trio White Leghorns | Irvin Claves, Stockton | 2 00 |
| Trio Plymouth Rocks | L. U. Shippee, Stockton | 2 00 |
| Pair White Guineas | W. A. French, Stockton | 2 00 |
| Pair Pearl Guineas | L. U. Shippee, Stockton | 2 00 |
| Pair Black Spanish | W. A. French, Stockton | 2 00 |
| Pair Bantams | Wm. Hickox, Stockton | 2 00 |
| Breeding pen Brown Leghorns | W. A. French, Stockton | 10 00 |
| DUCKS AND GEESE. | | |
| Trio Pekin ducks | L. U. Shippee, Stockton | 2 50 |
| Pair Toulouse geese | T. Ward, Oakland | 2 50 |
| TURKEYS. | | |
| Trio Mammoth Bronze turkeys | W. A. French, Stockton | 3 00 |

SECOND DEPARTMENT—AT PARK.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------------|---------|
| CLASS I—AGRICULTURAL IMPLEMENTS. | | |
| Best combined harvester | S. C. H. & A. Works, Stockton | \$10 00 |
| Best header | S. C. H. & A. Works, Stockton | 7 50 |
| Best windmill | F. E. Allen, Stockton | 5 00 |
| Best mowing machine | Grangers Union, Stockton | 5 00 |
| Best combined clod crusher, harrow, pulverizer, and leveler | H. C. Shaw Plow Works, Stockton | 5 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---|----------|
| Best plow for all purposes..... | Matteson & Williamson Mfg. Co., Stockton..... | \$3 00 |
| Best gang plow..... | Grangers Union, Stockton..... | 3 00 |
| Best single plow..... | John Caine, Stockton..... | 3 00 |
| Best road plow..... | Matteson & Williamson Mfg. Co., Stockton..... | 3 00 |
| Best fanning mill..... | Grangers Union, Stockton..... | 3 00 |
| Best grain cleaning attachment for thrasher..... | S. C. H. & A. Works, Stockton..... | 3 00 |
| Best cleaner (Independent)..... | Daniel Best, San Leandro..... | 2 00 |
| Best harrow..... | H. C. Shaw Plow Works, Stockton..... | 3 00 |
| Best grain sower..... | Grangers Union, Stockton..... | 2 00 |
| Best hay and straw cutter..... | Grangers Union, Stockton..... | 2 00 |
| Best hay press..... | S. C. H. & A. Works, Stockton..... | 5 00 |
| Best cultivator..... | H. C. Shaw Plow Works, Stockton..... | 3 00 |
| Best derriok fork..... | Grangers Union, Stockton..... | 3 00 |
| Best farm wagon for general purposes..... | John Caine, Stockton..... | "Mail." |
| Best road scraper..... | Western Aurora (Ill.) Wheel and Scraper Company..... | \$3 00 |
| Best display of agricultural implements by any one house, California manufacture..... | S. C. H. & A. Works, Stockton..... | 20 00 |
| Best steam traction engine..... | Matteson & Williamson Mfg. Co., Stockton..... | 10 00 |
| Display of fence wire..... | M. S. Tarkington, Tulare..... | Sp. men. |
| Wire fence stretcher..... | M. S. Tarkington, Tulare..... | Sp. men. |
| Two drag scrapers..... | Western Aurora (Illinois) Wheel and Scraper Company..... | Sp. men. |
| Display of grading and ditching tools..... | Western Aurora (Illinois) Wheel and Scraper Company..... | Sp. men. |
| Lever horse power for pump..... | Matteson & Williamson Mfg. Co., Stockton..... | Sp. men. |
| Display of agricultural implements by any one house, California manufacture..... | Matteson & Williamson Mfg. Co., Stockton..... | Sp. men. |
| CLASS III—(AT PAVILION). | | |
| Best natural gas lamps..... | Stockton Natural Gas Company..... | \$10 00 |
| Best display of lamps..... | Stockton Natural Gas Company..... | 4 00 |
| CLASS IV. | | |
| Best churn..... | Grangers Union, Stockton..... | 2 00 |
| Best clothes wringer..... | Grangers Union, Stockton..... | 1 00 |
| Best wheelbarrow..... | Matteson & Williamson Mfg. Co., Stockton..... | 2 00 |
| Best truck..... | Matteson & Williamson Mfg. Co., Stockton..... | 2 00 |
| Best post-hole auger..... | Grangers Union, Stockton..... | 1 00 |
| CLASS V—VEHICLES. | | |
| Best display of vehicles..... | H. C. Shaw Plow Works, Stockton..... | \$10 00 |
| Largest display of vehicles..... | Grangers Union, Stockton..... | Sp. men. |
| Best cart for all purposes..... | G. A. Smith, Fresno..... | \$3 00 |
| Best family carriage..... | H. C. Shaw Plow Works, Stockton..... | 4 00 |
| Best top buggy..... | H. C. Shaw Plow Works, Stockton..... | 3 00 |
| Best surrey..... | Grangers Union, Stockton..... | 3 00 |
| Best open buggy..... | H. C. Shaw Plow Works, Stockton..... | 2 00 |
| Best two-seated open wagon..... | Grangers Union, Stockton..... | 3 00 |
| Best spring market wagon..... | H. C. Shaw Plow Works, Stockton..... | 2 00 |
| Best track sully..... | Grangers Union, Stockton..... | 2 00 |
| Best ladies' phaeton..... | Grangers Union, Stockton..... | 3 00 |
| Best ladies' phaeton, Dexter Queen spring..... | H. C. Shaw Plow Works, Stockton..... | 3 00 |
| Best phaeton for all purposes..... | H. C. Shaw Plow Works, Stockton..... | 3 00 |
| Best buckboard..... | Grangers Union, Stockton..... | 2 00 |

THIRD DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------------|-----------|
| CLASS I. | | |
| Best five pounds English walnuts, raised by exhibitor..... | Asa Collins, Knight's Ferry..... | \$2 00 |
| Five pounds English walnuts, raised by exhibitor..... | Willie Hickox, Stockton..... | Sp. 1 00 |
| Five pounds English walnuts, raised by exhibitor..... | L. U. Shippee, Stockton..... | Sp. 1 00 |
| Best five pounds soft-shell almonds, raised by exhibitor..... | Asa Collins, Knight's Ferry..... | 2 00 |
| Five pounds soft-shell almonds, raised by exhibitor..... | L. U. Shippee, Stockton..... | Sp. dip. |
| Best five pounds peanuts, raised by exhibitor..... | Asa Collins, Knight's Ferry..... | \$2 00 |
| Best five pounds pecans, raised by exhibitor..... | Asa Collins, Knight's Ferry..... | 2 00 |
| Best twenty-five pounds mixed nuts, raised by exhibitor..... | Asa Collins, Knight's Ferry..... | 4 00 |
| Twenty-five pounds mixed nuts, raised by exhibitor..... | L. U. Shippee, Stockton..... | Sp. dip. |
| CLASS II. | | |
| Best and largest variety of vegetables raised on one ranch and exhibited by the producer..... | L. U. Shippee, Stockton..... | \$10 00 |
| Best and largest exhibit of vegetables, fruit, etc., by one person or firm..... | L. W. Robbins & Co., Stockton..... | 20 00 |
| CLASS III. | | |
| Best and most artistically arranged California grains and grasses..... | Mrs. R. S. Bates, Stockton..... | Sp. 10 00 |
| CLASS IV. | | |
| Best port wine..... | Asa Collins, Knight's Ferry..... | 8 00 |
| CLASS V. | | |
| Finest and best collection of apples..... | Joseph Putnam, Clements..... | 10 00 |
| Second best..... | B. F. Langford, Lodi..... | 6 00 |
| Best five varieties or over of apples..... | Joseph Putnam, Clements..... | Am. Ag. |
| Five varieties or over of apples..... | L. U. Shippee, Stockton..... | Sp. men. |
| Five varieties or over of apples..... | B. F. Langford, Lodi..... | Sp. men. |
| Finest and best display of oranges..... | Asa Collins, Knight's Ferry..... | \$15 00 |
| Second best..... | L. U. Shippee, Stockton..... | 5 00 |
| Best four varieties oranges, five of each..... | Asa Collins, Knight's Ferry..... | 7 50 |
| Finest and best display of lemons..... | Asa Collins, Knight's Ferry..... | 15 00 |
| Best four varieties lemons, five of each..... | Asa Collins, Knight's Ferry..... | 7 50 |
| Best collection of grapes..... | B. F. Langford, Lodi..... | 10 00 |
| Second best..... | L. U. Shippee, Stockton..... | Sp. dip. |
| Collection of grapes..... | Joseph Putnam, Clements..... | Sp. men. |
| Best three varieties grapes..... | Joseph Putnam, Clements..... | \$3 00 |
| Best single variety table grapes..... | Joseph Putnam, Clements..... | 3 00 |
| Best single variety wine grapes..... | Joseph Putnam, Clements..... | 3 00 |
| Best eight bunches raisin grapes..... | Joseph Putnam, Clements..... | 5 00 |
| Best collection of figs..... | L. U. Shippee, Stockton..... | 3 00 |
| Second best..... | Walter Yost, Stockton..... | 1 50 |
| Collection of figs..... | Willie Hickox, Stockton..... | Sp. men. |
| Best six specimens figs..... | Walter Yost, Stockton..... | \$2 00 |
| Second best..... | Willie Hickox, Stockton..... | 1 00 |
| Best exhibit of olives..... | Mrs. W. H. Buttrick, French Camp..... | 3 00 |
| Best exhibit of olive oil..... | Mrs. W. H. Buttrick, French Camp..... | Am. Ag. |
| Finest and best collection of pears..... | Joseph Putnam, Clements..... | \$8 00 |
| Second best..... | B. F. Langford, Lodi..... | 4 50 |
| Best twelve pears..... | B. F. Langford, Lodi..... | Am. Ag. |
| Twelve pears..... | Joseph Putnam, Clements..... | Sp. men. |
| Finest and best collection of peaches..... | B. F. Langford, Lodi..... | \$5 00 |
| Second best..... | Joseph Putnam, Clements..... | 2 00 |
| Best twelve peaches, any variety..... | B. F. Langford, Lodi..... | 2 00 |
| Twelve peaches, any variety..... | Joseph Putnam, Clements..... | Sp. men. |
| Best twelve quinces..... | Joseph Putnam, Clements..... | \$3 00 |
| Second best..... | L. U. Shippee, Stockton..... | Am. Ag. |
| Twelve quinces..... | B. F. Langford, Lodi..... | Sp. men. |

THIRD DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|----------|
| Best collection of pomegranates..... | L. U. Shippee, Stockton..... | \$2 50 |
| Best collection of plums, named varieties, six of each..... | L. U. Shippee, Stockton..... | 3 00 |
| Second best..... | Joseph Putnam, Clements..... | 1 00 |
| Best twelve specimens of any variety of plums..... | B. F. Langford, Lodi..... | 2 00 |
| Twelve specimens of any variety of plums..... | L. U. Shippee, Stockton..... | Sp. men. |
| Best collection of prunes..... | B. F. Langford, Lodi..... | \$3 00 |
| Second best..... | Joseph Putnam, Clements..... | 1 00 |
| Largest and best exhibit of fruit..... | B. F. Langford, Lodi..... | 20 00 |
| Second largest and best..... | L. U. Shippee, Stockton..... | 6 00 |
| Largest and best exhibit of fruit raised in district..... | Joseph Putnam, Clements..... | 15 00 |
| Second largest and best..... | B. F. Langford, Lodi..... | 5 00 |
| CLASS VI—DRIED FRUITS CURED BY EXHIBITOR. | | |
| Best prunes..... | B. F. Langford, Lodi..... | 3 00 |
| Best figs..... | Asa Collins, Knight's Ferry..... | 3 00 |
| Best plums..... | Buhach P. & M. Co., Stockton..... | 2 00 |
| Best pears..... | B. F. Langford, Lodi..... | 2 00 |
| Best peaches..... | Buhach P. & M. Co., Stockton..... | 2 00 |
| Best apricots..... | Buhach P. & M. Co., Stockton..... | 2 00 |
| Apricots..... | B. F. Langford, Lodi..... | Sp. men. |
| Best nectarines..... | B. F. Langford, Lodi..... | \$2 00 |
| Nectarines..... | Buhach P. & M. Co., Stockton..... | Sp. men. |
| Best apples..... | B. F. Langford, Lodi..... | \$2 00 |
| CLASS VII. | | |
| Best exhibit of fruit preserved in spirits, put up by exhibitor..... | Mrs. J. C. Reid, Stockton..... | 5 00 |
| Second best..... | B. F. Langford, Lodi..... | 3 50 |
| Best exhibit of fruit preserved in sugar, put up by exhibitor..... | Mrs. J. C. Reid, Stockton..... | 5 00 |
| Best exhibit of jellies, put up by exhibitor..... | Asa Collins, Knight's Ferry..... | 7 50 |
| Second best..... | Mrs. J. C. Reid, Stockton..... | 5 00 |
| Best canned fruits, put up by exhibitor..... | Asa Collins, Knight's Ferry..... | 10 00 |
| Best assorted tomato catsup..... | Asa Collins, Knight's Ferry..... | 3 00 |
| CLASS IX. | | |
| Best steamed brown bread..... | Mrs. W. H. Woodbridge, Stockton..... | 2 00 |
| Best white bread..... | Mrs. G. J. L. Davis, Stockton..... | 2 00 |
| Best graham bread..... | Mrs. G. J. L. Davis, Stockton..... | 2 00 |
| Best corn bread..... | Mrs. H. E. Williams, Stockton..... | 2 50 |
| Best plate biscuit..... | Mrs. F. N. Coburn, Stockton..... | 2 00 |
| Best fruit cake..... | Mrs. H. E. Williams, Stockton..... | 3 00 |
| Best pound cake..... | Mrs. H. E. Williams, Stockton..... | 3 00 |
| Best sponge cake..... | Mrs. F. N. Coburn, Stockton..... | 2 50 |
| Best coffee cake..... | Mrs. H. E. Williams, Stockton..... | 2 50 |
| Best jelly cake..... | Mrs. H. A. Kierski, Stockton..... | 1 50 |
| Best chocolate cake..... | Mrs. H. E. Williams, Stockton..... | 1 50 |
| Best nut cake..... | Mrs. H. E. Williams, Stockton..... | 1 50 |
| Best cocoanut cake..... | Mrs. F. N. Coburn, Stockton..... | 1 50 |
| Best crullers cake..... | Mrs. H. E. Williams, Stockton..... | 1 50 |
| Best doughnuts..... | Mrs. M. J. Severy, Stockton..... | 1 50 |
| SPECIAL PREMIUMS. | | |
| Pound cake..... | Mrs. H. E. Carpenter, Stockton..... | Sp. 3 00 |
| Plate biscuit..... | Mrs. C. L. Brown, Stockton..... | Sp. 3 00 |
| Sponge cake..... | Mrs. H. A. Kierski, Stockton..... | Sp. 3 00 |
| Pound cake..... | Mrs. A. E. Bigzer, Stockton..... | Sp. 3 00 |
| Sponge cake..... | Mrs. M. J. Severy, Stockton..... | Sp. 3 00 |
| CLASS X—FLORAL. | | |
| Largest collection of flowering plants in bloom..... | Mrs. R. S. Bates, Stockton..... | 5 00 |
| Best collection of ornamental foliage plants..... | Mrs. R. S. Bates, Stockton..... | 2 00 |
| Best display of cut flowers, to be kept fresh by replacing..... | Mrs. R. S. Bates, Stockton..... | 10 00 |
| Best collection of new and rare plants..... | Mrs. R. S. Bates, Stockton..... | 2 00 |

THIRD DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------------|----------|
| Best collection of bouquets | Mrs. R. S. Bates, Stockton | \$2 00 |
| Best collection of plants suitable for house culture | Mrs. R. S. Bates, Stockton | 2 00 |
| Best collection of ferns | Mrs. R. S. Bates, Stockton | 3 00 |
| Best display of hanging baskets containing plants | Mrs. R. S. Bates, Stockton ..... | ..... |
| Best and largest display of either trees or plants, or both | Mrs. R. S. Bates, Stockton | 7 00 |
| SPECIAL FOR WEDNESDAY. | | |
| Best and largest display of floral pieces | Mrs. J. C. Brandt, Stockton | 10 00 |
| Best single floral piece | Mrs. R. S. Bates, Stockton | 3 00 |
| SPECIAL FOR SATURDAY. | | |
| Best and largest display of floral pieces | Mrs. M. J. Severy, Stockton | 10 00 |
| Best single floral piece | Mrs. R. W. Miller, Stockton | 3 00 |
| Single floral piece | Mrs. J. C. Brandt, Stockton | Sp. 1 50 |

FOURTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|--|-------------------|
| CLASS I—PAINTING IN OIL. | | |
| Best figure painting | Miss Hattie Keep, Stockton | \$3 00 |
| Best flower painting | Miss Florence Bugbee, Stockton | 3 00 |
| Best fruit painting | Miss Florence Bugbee, Stockton | 3 00 |
| Best landscape painting | Miss Florence Bugbee, Stockton | Sp. men. |
| Fruit painting | Miss Hattie Keep, Stockton | \$3 00 |
| Best marine painting | Mrs. W. H. Leffler, Stockton | 3 00 |
| Best white and black painting | Mrs. Sarah E. Dorr, Stockton | 3 00 |
| White and black painting | Mrs. Laura Cook, Ione | Sp. 2 00 |
| Best display of figure painting | Miss Hattie Keep, Stockton | 5 00 |
| Best display of flower painting | Mrs. Laura Cook, Ione | 3 50 |
| Best display of fruit painting | Miss Florence Bugbee, Stockton | 5 00 |
| Best display of landscape painting | Mrs. Sarah E. Dorr, Stockton | 5 00 |
| Best brocade painting | Mrs. L. Breidenbach, Stockton | 3 00 |
| Best display of plaque painting | H. A. Williams, Stockton | 5 00 |
| Display of plaque painting | Mrs. Florence Bugbee, Stockton | Sp. men. |
| Best display of California wild flowers (painting) | Mrs. W. H. Leffler, Stockton | \$3 50 |
| PAINTING IN WATER COLORS. | | |
| Best specimen of flower painting | Mrs. W. H. Leffler, Stockton | 3 00 |
| Best specimen of landscape painting | Miss Nellie Littlehale, Stockton | 3 00 |
| Best display of landscape painting | Miss Nellie Littlehale, Stockton | 4 00 |
| Best display of portrait painting | H. A. Williams, Stockton | 4 00 |
| Best display of flower painting | Mrs. W. H. Leffler, Stockton | 3 50 |
| Best general exhibition of paintings, oil and water colors, variety considered | Mrs. W. H. Leffler, Stockton | 7 50 |
| EXHIBITIONS. | | |
| Best pencil drawing | Miss Nellie Littlehale, Stockton | 4 50 |
| Pencil drawing | Miss Jessie Ryan, Stockton | Sp. dip. & \$4 50 |
| Best India ink drawing | Miss Nellie Littlehale, Stockton | 4 50 |
| Best crayon drawing (not solar print) | Pauline Arnold, Stockton | 4 50 |
| Second best | Mrs. Laura Cook, Ione | 3 00 |
| Best crayon drawings, either black or pastel (solar print) | Mrs. Laura Cook, Ione | 3 00 |
| Best pen drawing | Miss Jessie Ryan, Stockton | Sp. dip. |
| Best penmanship (not flourishing) | St. Mary's College, Stockton | \$3 50 |
| CLASS II—ORNAMENTAL WORK. | | |
| Best painting on china | Mrs. Geo. A. McKenzie, Stockton | 2 50 |
| Best painting on silk | Mrs. L. Breidenbach, Stockton | 2 50 |
| Second best | Miss Hattie Keep, Stockton | 2 00 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---|----------|
| Best painting on bolting cloth | Miss Hattie Keep, Stockton | \$2 50 |
| Painting on bolting cloth | Miss Florence Bugbee, Stockton | Sp. 2 00 |
| Second best | Miss Nellie Littlehale, Stockton | 2 00 |
| Best painting on mirror | Mrs. W. H. Leffler, Stockton | 3 00 |
| Second best | Mrs. J. M. McCall, Stockton | 2 00 |
| Best painting on satin | Miss Hattie Keep, Stockton | 2 00 |
| Best painting on chamois | Miss Nellie Littlehale, Stockton | 2 00 |
| Best panel painting | Mrs. W. H. Leffler, Stockton | 3 00 |
| Best painted tile | Mrs. H. A. Williams, Stockton | 2 00 |
| Best painting on velvet | Mrs. J. M. McCall, Stockton | 2 00 |
| Best collection of ornamental painting by any one person, variety considered | Miss Nellie Littlehale, Stockton | 10 00 |
| Second best | Miss Hattie Keep, Stockton | 3 00 |
| Collection of ornamental painting by any one person, variety considered | Mrs. J. M. McCall, Stockton | Sp. 3 00 |
| CLASS III—SILK AND COCOONS. | | |
| Best display of silk cocoons | Mrs. J. D. Ult, Stockton | 10 00 |
| Best display of reeled silk | Mrs. J. D. Ult, Stockton | 8 00 |
| CLASS IV—EMBROIDERY. | | |
| Best raised embroidery | Mrs. C. F. Bugbee, Stockton | 2 50 |
| Second best | Mrs. J. F. Adams, Stockton | 1 50 |
| Raised embroidery | Miss Daniels, Stockton | Sp. 1 50 |
| Best silk embroidery on flannel | Mrs. Wm. East, Sacramento | 2 50 |
| Best tapestry or cross-stitch embroidery | Miss Nellie Smith, Stockton | 2 50 |
| Best kensington embroidery in crewel or wool | Mrs. C. L. Brown, Stockton | 2 50 |
| Best kensington embroidery in silk | Mrs. Wm. East, Sacramento | 2 50 |
| Second best | Mrs. C. L. Brown, Stockton | 1 50 |
| Best embroidery in arrasene | Mrs. Heward, Stockton | 2 50 |
| Second best | Miss Nellie Smith, Stockton | 1 50 |
| Best chenille embroidery | Mrs. C. F. Bugbee, Stockton | 2 50 |
| Second best | Mrs. J. F. Adams, Stockton | 1 50 |
| Best ribbon embroidery | Miss E. H. Waters, Stockton | 2 00 |
| Best cotton embroidery | Mrs. J. F. Adams, Stockton | 2 00 |
| Second best | Mrs. E. Parker, Stockton | 1 50 |
| Best couching embroidery | Mrs. J. F. Adams, Stockton | 2 00 |
| Best tinsel embroidery | Mrs. Wm. East, Sacramento | 2 00 |
| Best embroidery in gold or silver | Mrs. J. M. Ryan, Stockton | 2 00 |
| Best embroidery in floss work | Mrs. Wm. East, Sacramento | 2 00 |
| Best fabric tinting combined with em- broidery | Mrs. Heward, Stockton | 2 00 |
| Best decorating darning rope silk | Mrs. J. M. Ryan, Stockton | 2 00 |
| Best display of embroidery of all kinds, variety considered | Mrs. C. F. Bugbee, Stockton | 8 50 |
| CLASS V. | | |
| Best display of crochet, other than cotton | Miss Hattie Carson, Stockton | 3 50 |
| Best display of cotton crochet work | Miss Hattie Carson, Stockton | 3 50 |
| Best display of cotton knitting work | Mrs. Mary Pennell, Stockton | 3 50 |
| Best silk knitting | Mrs. G. J. Giovanessi, Stockton | 3 50 |
| Best etching | Mrs. E. H. Waters, Stockton | 3 00 |
| Best display of Spanish drawn work | Mrs. C. P. Baldwin, Stockton | 5 00 |
| Second best | Mrs. A. B. Darrah, Stockton | 3 50 |
| Display of Spanish drawn work | Mrs. Leon, Stockton | Sp. 3 00 |
| Best display of hand-made lace, not entered otherwise | Mrs. C. L. Brown, Stockton | 3 00 |
| Best netting | Mrs. J. M. Ryan, Stockton | 2 00 |
| Best darned net | Mrs. C. L. Brown, Stockton | 1 00 |
| Best hand sewing | Mrs. C. L. Brown, Stockton | 3 00 |
| Hand sewing | Miss M. C. Thompson, Railroad Flat, Calaveras County | Sp. 3 00 |
| CLASS VI. | | |
| Best bedspread | Miss E. H. Waters, Stockton | 3 00 |
| Second best | Miss Sallie Weeks, Stockton | 2 00 |
| Bedspread | Irene C. Bailey, Stockton | Sp. men. |
| Best baby afghan | Mrs. C. L. Brown, Stockton | \$2 00 |
| Best shawl, hand made | Mrs. William East, Sacramento | 2 00 |
| Best carriage afghan | Mrs. William East, Sacramento | 2 00 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---|--------------|
| Best sofa cushion..... | Mrs. J. M. Ryan, Stockton..... | \$2 00 |
| Second best..... | Mrs. E. H. Waters, Stockton..... | 1 50 |
| Best table scarf..... | Mrs. C. L. Brown, Stockton..... | 2 00 |
| Second best..... | Mrs. C. F. Bugbee, Stockton..... | 1 50 |
| Best table cover..... | Mrs. C. F. Bugbee, Stockton..... | 2 00 |
| Second best..... | Mrs. Heward, Stockton..... | 1 50 |
| Best patchwork quilt..... | Miss Sallie Weeks, Stockton..... | 2 00 |
| Second best..... | Mrs. Harvey Belden, Stockton..... | 1 50 |
| Patchwork quilt..... | Mrs. J. M. McCloud, Stockton..... | Sp. 2 00 |
| Patchwork quilt..... | Miss W. Fullerton, Stockton..... | Sp. 2 00 |
| Best rug, hand made..... | Miss Sallie Weeks, Stockton..... | 2 00 |
| Best worsted skirt, hand made..... | Mrs. J. F. Adams, Stockton..... | 2 00 |
| Best lambrequin..... | Mrs. L. Breidenbach, Stockton..... | 2 00 |
| Best ornamental leather work..... | Mrs. Capt. J. Greer, Stockton..... | 1 50 |
| Best hand-made lace work, made in Stockton..... | Miss Hattie Carson, Stockton..... | 2 00 |
| Best specimen of shell work..... | Miss Nellie Smith, Stockton..... | 1 50 |
| Best specimen of zephyr flowers..... | Mrs. Harvey Belden, Stockton..... | 1 50 |
| Best artificial flowers..... | Miss Sallie Weeks, Stockton..... | 2 00 |
| Second best..... | Mrs. C. L. Brown, Stockton..... | 1 50 |
| Best slumber robe..... | Mrs. Harvey Belden, Stockton..... | 2 00 |
| Slumber robe..... | Miss Gussie Beemer, Stockton..... | Sp. 1 00 |
| Slumber robe..... | Lottie Crane, Stockton..... | Sp. 1 00 |
| Best specimen of fancy work in this class, or not entered in any other class, quality of work considered..... | Mrs. Wm. East, Sacramento..... | 2 50 |
| Second best..... | Mrs. A. B. Darrah, Stockton..... | 1 25 |
| Best display of fancy work, not entered in any other class, quality of work considered..... | Mrs. A. M. Haines, Stockton..... | 7 50 |
| Display of fancy work, not entered in any other class, quality of work considered..... | Mrs. J. M. McCall, Stockton..... | Sp. 2 00 |
| CLASS VII—JUVENILE. | | |
| Best crochet, cotton..... | Sadie O. Dorr, Stockton..... | 1 50 |
| Best etching..... | Flora La Rue, Stockton..... | 1 00 |
| Second best..... | Sadie O. Dorr, Stockton..... | 75 |
| Etching..... | Lottie Crane, Stockton..... | Sp. 75 |
| Best map drawing..... | St. Mary's College, Stockton..... | D. or 1 50 |
| Best mechanical drawing..... | St. Mary's College, Stockton..... | D. or 1 50 |
| Best architectural drawing..... | St. Mary's College, Stockton..... | D. or 1 50 |
| Best ornamental drawing..... | St. Mary's College, Stockton..... | D. or 1 50 |
| Best penmanship..... | St. Mary's College, Stockton..... | D. or 1 50 |
| Best crayon drawing (black)..... | St. Mary's College, Stockton..... | D. or 1 50 |
| Best display of crayon drawing (black)..... | St. Mary's College, Stockton..... | 2 50 |
| Best pen drawing..... | St. Mary's College, Stockton..... | D. or 1 50 |
| Best general school exhibition..... | St. Mary's College, Stockton..... | Sp. dip. |
| Best colored crayon drawing..... | St. Mary's College, Stockton..... | D. or \$1 50 |
| Best collection of colored crayon drawings..... | St. Mary's College, Stockton..... | D. or 1 50 |
| CLASS VIII—DISPLAYS. | | |
| Best mineral cabinet, owned by the exhibitor, resident of the Second Agricultural District..... | Calaveras Board of Trade's exhibition of the products of the county of Calaveras..... | 50 00 |
| Best display of electrical apparatus in operation, variety considered*..... | Doak & Adams, Stockton..... | 5 00 |
| Best display of electrical apparatus in operation, variety considered*..... | L. O. Hudson & Sons, Stockton..... | 5 00 |
| Best display of electrical belts..... | L. O. Hudson & Sons, Stockton..... | 3 00 |
| Largest and best display of ribbons..... | Rowell Sisters, Stockton..... | 3 00 |
| Best display of flowers and feathers..... | Rowell Sisters, Stockton..... | 3 00 |
| Best display of bonnets and hats..... | Rowell Sisters, Stockton..... | 3 00 |
| Best general display of hats and caps..... | Lothrop & Noble, Stockton..... | 3 00 |
| Best display of brooms made in the district..... | L. W. Robbins & Co., Stockton..... | 10 00 |
| Best general display of chinaware..... | W. J. Goldsmith & Co., Stockton..... | 7 50 |
| Best general display of glassware and decorative household goods..... | W. J. Goldsmith & Co., Stockton..... | 7 50 |

* Committee recommended division of the premium.

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------------------|----------|
| Best macaroni made in the district..... | W. J. Goldsmith & Co., Stockton.. | \$10 00 |
| Best general display of flour..... | Stockton Milling Company | 10 00 |
| Best general display of groceries | L. W. Robbins & Co., Stockton | 7 50 |
| General display of groceries | W. J. Goldsmith & Co., Stockton.. | Sp. 5 00 |
| Best general display of druggists' sundries..... | I. D. Holden, Stockton..... | 5 00 |
| Best general display of soap..... | W. J. Goldsmith & Co., Stockton.. | 3 00 |
| General display of soap..... | I. D. Holden, Stockton..... | Sp. men. |
| Best general display of hardware..... | Austin Bros., Stockton..... | \$7 50 |
| Best general display of harness and saddlery | H. C. Shaw Plow Works, Stockton | 7 50 |
| Best general display of furniture and carpets | Doan & Kearns, Stockton..... | 10 00 |
| Best exhibit of insect destroyer (California production) | Buhach P. & M. Co., Stockton ... | Medal. |
| Best display of mill work (home manufacture)..... | Buell & Co., Stockton..... | \$10 00 |
| Best display of wood carving..... | M. Schneider, Stockton | 10 00 |
| Display of wood carving..... | Buell & Co., Stockton..... | Sp. men. |

BABY SHOW.

WEDNESDAY, SEPTEMBER 30, 1891.

| Name of Child. | Award. |
|---|----------|
| CLASS A—TWELVE TO EIGHTEEN MONTHS OF AGE. | |
| Willie Fraters | \$2 00 |
| Marie Kalck..... | 2 00 |
| CLASS B—SIX TO TWELVE MONTHS OF AGE. | |
| Henry W. Shafer..... | 2 00 |
| Grace A. Murphy | 2 00 |
| CLASS C—UNDER SIX MONTHS OF AGE. | |
| Leo Parnell..... | 2 00 |
| Marguerite Jowmeay..... | 2 00 |
| Francis Price..... | Sp. 1 00 |

SATURDAY, OCTOBER 3, 1891.

| Name of Child. | Award. |
|--|--------|
| CLASS X—EIGHTEEN TO TWENTY-FOUR MONTHS OF AGE. | |
| Charles Floyd Watts..... | \$2 00 |
| Marvin E. Ryan..... | 2 00 |
| CLASS A—TWELVE TO EIGHTEEN MONTHS OF AGE. | |
| Reta Irene Axel..... | 2 00 |
| CLASS B—SIX TO TWELVE MONTHS OF AGE. | |
| Baby Felchlin | 2 00 |
| Benard Hencemann..... | 2 00 |
| Josephine Detter | 2 00 |
| Anna Love Carpenter..... | 2 00 |
| CLASS C—UNDER SIX MONTHS OF AGE. | |
| Harry and Harriet Carson (twins) | 3 00 |
| John Lawrence Garvey..... | 2 00 |

DOLL SHOW.

| Doll's Name. | Exhibitor. | Class of Work. | Award. |
|----------------------------------|----------------------------|--------------------|----------|
| CLASS I—4 TO 8 YEARS OF AGE. | | | |
| Sunflower | Florence I. Davis | Hand work | \$1 50 |
| Rose | Dora Miller | Hand work | 1 00 |
| CLASS II—8 TO 12 YEARS OF AGE. | | | |
| Elsie | Lottie Crane | Machine work | 1 50 |
| Lottie | Edith Keagle | Machine work | 1 00 |
| Mary White | Anna White | Machine work | 50 |
| Normandy Peasant Girl | Lena and Clara Dodge | Hand work | Sp. 1 00 |
| Flossie | Alma Hahn | Hand work | 1 50 |
| Emma Dana | May C. Wellington | Hand work | 1 00 |
| Maud Myrtle McCall | Ethel McCall | Hand work | Sp. 1 50 |
| CLASS III—12 TO 14 YEARS OF AGE. | | | |
| Ethel | Grace Ethel Willy | Hand work | 1 50 |
| Rachel | Annie Hansome | Hand work | 1 00 |
| Effie | Effie Gerlach | Machine work | 1 50 |
| Clyde and Verna | Mabel Kafitz | Machine work | Sp. 1 00 |

DANCING—(SPECIAL).

SEPTEMBER 28 AND OCTOBER 3, 1891.

| Name. | Award. |
|---|--------|
| George E. Housken and Miss Katie Snead, of Dixon | \$5 00 |
| Fred. Eckstrom and Miss Nellie Vogelsang, of Stockton | 5 00 |
| Lincoln Cook and sister, of Stockton | 5 00 |
| George Inglis and Miss Anita Vinet, of Stockton | 5 00 |
| Robert Reid and Miss Mary Woods, of Stockton | 5 00 |
| Horace Vincent and Miss Maggie McCann, of Stockton | 5 00 |

MUSICAL—(SPECIAL).

SEPTEMBER 28, 1891.

| Name. | Award. |
|--|--------|
| Best piano solo by a pupil under fourteen years of age, Josie Brown, of Stockton | \$7 00 |

MISCELLANEOUS DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|---|-----------|
| One Oriental gas engine | J. E. Clifford, Stockton | Sp. men. |
| Two Regan vapor engines | T. J. Kennedy & Co., Stockton | Sp. men. |
| One gas engine | Daniel Best, San Leandro | Diploma. |
| One gas engine | Doak & Adams, Stockton | Sp. men. |
| California vitalizer | Mrs. S. J. Logan, Stockton | Diploma. |
| Soothing salve | Mrs. S. J. Logan, Stockton | Diploma. |
| Best medical compound—liver and kidney bitters | T. M. Lash & Co., Sacramento | Sp. S. M. |
| Liver and kidney tea | Mrs. C. E. Parkman & Co., Hum- boldt | Diploma. |
| Three kitchen cabinets | L. M. Bowdin & Son, Stockton | \$2 00 |
| Three "Favorite" hammock chairs | J. H. Dexter & Stone, San Fran. | Diploma. |

MISCELLANEOUS DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------------|------------|
| Face cream | Miss D. E. Day, San Francisco..... | Diploma. |
| Face powder | Miss D. E. Day, San Francisco..... | Diploma. |
| Toilet soap-kurd..... | Miss D. E. Day, San Francisco..... | Diploma. |
| Animal drawing, partly solar print and partly free-hand (black crayon) | Mrs. Laura Cook, Ione..... | Sp. men. |
| General display of Spanish drawn work..... | Jennie Ryerson, Old Mexico..... | \$5 00 |
| An elk, made of dried leaves from all parts of the world; also, a wreath of dried leaves from all parts of the world..... | Mrs. Capt. J. Greer, Stockton..... | 1 50 |
| Forty-four trunks and valises..... | Wm. Joseph, Stockton..... | Diploma. |
| General display of patent medicines..... | I. D. Holden, Stockton..... | Sp. men. |
| General display of cough syrups by home manufacturers..... | I. D. Holden, Stockton..... | Sp. men. |
| Point lace handkerchief..... | Mrs. J. Fullerton, Stockton..... | \$1 00 |
| Dental exhibit..... | Dr. J. J. Leek, San Francisco..... | |
| One bureau scarf..... | Mrs. J. M. McCall, Stockton..... | Sp. men. |
| Display of barks..... | T. M. Lash & Co., Sacramento..... | Sp. men. |
| Display of roots..... | T. M. Lash & Co., Sacramento..... | Sp. men. |
| Display of herbs..... | T. M. Lash & Co., Sacramento..... | Sp. men. |
| Combination surrey and phaeton..... | John Caine, Stockton..... | Diploma. |
| Combined surrey-phaeton-buckboard..... | John Caine, Stockton..... | \$3 00 |
| Reclamation and irrigation pump..... | Powell & Hutchinson, Stockton..... | Diploma. |
| Rag carpet..... | Mrs. J. D. Ult, Stockton..... | Sp. men. |
| Self-rake reaper..... | H. C. Shaw Plow Works, Stockton..... | Diploma. |
| Helmet solid oil, "E No. 220"..... | C. H. Besley & Co., Chicago, Ill..... | Diploma. |
| "Perfection" solid oil box..... | C. H. Besley & Co., Chicago, Ill..... | Diploma. |
| Carpenter's portable vise..... | Liefer & Brophy, Chicago, Ill..... | Diploma. |
| Edson's diaphragm free pump..... | Strait & Cadle, Stockton..... | Diploma. |
| Mechanical drawings; not juvenile..... | St. Mary's College, Stockton..... | Diploma. |
| Collection of mechanical drawings; juvenile; seven pieces..... | St. Mary's College, Stockton..... | Diploma. |
| Collection of architectural drawings; juvenile; three pieces..... | St. Mary's College, Stockton..... | D.or\$1 50 |
| Collection of ornamental drawings; juvenile; ten pieces..... | St. Mary's College, Stockton..... | 1 00 |
| Collection of penmanship, by pupils of a high school, between the ages of fifteen and sixteen years..... | St. Mary's College, Stockton..... | Diploma. |
| Collection of penmanship, by pupils of second grammar class; average age, twelve years..... | St. Mary's College, Stockton..... | D.or\$1 50 |
| Collection of penmanship, by pupils of first grammar class; age, over fourteen years..... | St. Mary's College, Stockton..... | D. or 1 50 |
| Collection of penmanship, by pupils of intermediate class; age, ten years..... | St. Mary's College, Stockton..... | D. or 1 50 |
| Collection of penmanship, by pupils of primary class; age, eight years..... | St. Mary's College, Stockton..... | D. or 1 50 |
| Collection of map drawing, two pieces..... | St. Mary's College, Stockton..... | D. or 1 00 |
| One crayon drawing (black, solar print), not juvenile..... | St. Mary's College, Stockton..... | D. or 1 00 |
| Shasta mineral water, Shasta ginger ale, and Shasta sarsaparilla and iron..... | Mount Shasta Mineral Spring Co..... | Medal. |
| One India ink portrait..... | H. A. Williams, Stockton..... | Diploma. |
| One portrait in crayon, solar print..... | H. A. Williams, Stockton..... | \$1 00 |
| Nine water color photographs..... | H. A. Williams, Stockton..... | 1 00 |
| One India ink drawing..... | Jessie Ryan, Stockton..... | Diploma. |
| Pile remedy..... | Mrs. C. E. Parkman, Humboldt..... | Diploma. |
| Food for poultry..... | Manhattan Food Co., San Fran..... | Diploma. |
| Food for stock..... | Manhattan Food Co., San Fran..... | Diploma. |
| One banner, in felt, painted..... | Mrs. L. Breidenbach, Stockton..... | Sp. men. |
| Display of sewing machines (ten)..... | J. E. Wood, Stockton..... | Diploma. |
| Display of kensington embroidery work, by machine..... | J. E. Wood, Stockton..... | Diploma. |
| Gents' furnishing goods..... | Lothrop & Noble, Stockton..... | Sp. men. |
| Watchman's register..... | Austin Bros., Stockton..... | Diploma. |
| Exhibit of Angelica, Port, Sherry, Zinfandel, and Riesling wines..... | Breidenbach Bros., Stockton..... | \$10 00 |
| Exhibit of brandy..... | Breidenbach Bros., Stockton..... | Diploma. |
| Exhibit of whiskey..... | Breidenbach Bros., Stockton..... | Diploma. |

MISCELLANEOUS DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---|-------------|
| Exhibit of claret wine..... | Breidenbach Bros., Stockton..... | Diploma. |
| One barrel truck..... | Matteson & Williamson Mfg. Co., Stockton..... | Diploma. |
| Three iron bench plows..... | Matteson & Williamson Mfg. Co., Stockton..... | Sp. men. |
| One grader plow, three plow skeletons, and one 16-plow bottom..... | Matteson & Williamson Mfg. Co., Stockton..... | Sp. men. |
| Eureka sack holder..... | J. W. Rush, Stockton..... | Diploma. |
| Collection of pencil drawings by class; average age, fourteen years..... | St. Mary's College, Stockton..... | Diploma. |
| Exhibit of musical instruments, excepting pianos and organs..... | A. Alberti, Stockton..... | Sp. dip. |
| One piano..... | A. Alberti, Stockton..... | Sp. men. |
| One combination vise, anvil, and drill..... | C. H. Besly & Co., Chicago, Ill..... | Diploma. |
| Display of coffee, teas, and spices..... | Lievre, Fricke & Co., San Francisco..... | Medal. |
| Display of ink, mucilage, and shoe dressing..... | Lievre, Fricke & Co., San Francisco..... | Sp. men. |
| One charcoal drawing..... | St. Mary's College, Stockton..... | Sp. men. |
| Specimen of marine painting in water col- ors; juvenile..... | A. C. Gall, Stockton..... | \$1 00 |
| Macrame work, three pieces..... | Jean Keefer, Stockton..... | 1 50 |
| Human inhaler..... | Welch Inhaling Medical Co., San Francisco..... | Diploma. |
| Horse inhaler..... | Welch Inhaling Medical Co., San Francisco..... | Diploma. |
| Display of cabinet work..... | Buell & Co., Stockton..... | Diploma. |
| Exhibit of marble, sandstone, slate, granite, metallic paints, limestone, sta- lactites, and stalagmites from Murphy's Cave..... | Calaveras County Board of Trade..... | Diploma. |
| Walcott's pain paint..... | Mrs. J. B. Messick..... | Diploma. |
| Neuralgia cure..... | Mrs. S. J. Logan, Stockton..... | Diploma. |
| Carded asbestos, three grades; asbestos, crude, from Placer County, and asbestos from Wheatland, was in an excessively hot fire for three days; also sample of asbestos board, and wicking for steam packing; samples of asbestos covering for steam pipes; samples of water-proof pipe-covering fire felt, and samples of crude and manufactured magnesia from Nevada..... | J. L. Merrell, San Francisco..... | D. & \$5 00 |
| Two walnut secretaries..... | William Byer, Stockton..... | Diploma. |
| Four kitchen cabinets..... | William Byer, Stockton..... | Diploma. |
| One 4-10 gang plow, rear-seated, land- shifter and leveler..... | Matteson & Williamson Mfg. Co., Stockton..... | Diploma. |
| One 4-8 gang plow, with leveler..... | Matteson & Williamson Mfg. Co., Stockton..... | Diploma. |
| Patented adjustable bath chair..... | Mrs. A. L. Schoomacker, Stockton..... | Sp. med. |
| Exhibit of honey..... | W. J. Goldsmith & Co., Stockton..... | Sp. med. |
| Exhibit of quinces..... | L. W. Robbins & Co., Stockton..... | \$1 00 |
| Exhibit of pears..... | L. W. Robbins & Co., Stockton..... | 1 00 |
| Exhibit of peaches..... | L. W. Robbins & Co., Stockton..... | 1 00 |
| Exhibit of apricots..... | L. W. Robbins & Co., Stockton..... | 1 00 |
| Animal drawing in crayon (not solar print), "Pharaoh's Horses"..... | Pauline Arnold, Stockton..... | Diploma. |
| Marine sketch in charcoal..... | Pauline Arnold, Stockton..... | \$1 00 |
| Landscape in charcoal..... | Pauline Arnold, Stockton..... | Diploma. |
| Two portraits in charcoal..... | Pauline Arnold, Stockton..... | \$2 00 |
| One figure drawing in charcoal..... | Pauline Arnold, Stockton..... | Diploma. |
| One figure drawing in charcoal..... | Constance Arnold, Stockton..... | \$2 00 |
| Two landscape drawings in charcoal..... | Constance Arnold, Stockton..... | 1 00 |
| One marine sketch in charcoal, "King- fisher's Hunt"..... | Constance Arnold, Stockton..... | 2 00 |
| Liniment, for man or beast..... | J. C. Gage, Stockton..... | Diploma. |
| New Hope carbolic ointment, for man or beast..... | J. C. Gage, Stockton..... | Sp. men. |
| New Hope condition powders, for animals..... | J. C. Gage, Stockton..... | Sp. men. |
| Telescope..... | William Joseph, Stockton..... | Sp. men. |
| Toiletscope..... | William Joseph, Stockton..... | Diploma. |

MISCELLANEOUS DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---|-------------|
| Hire's root beer | W. J. Goldsmith, Stockton | Diploma. |
| Chablain sachets | William Joseph, Stockton | Diploma. |
| Fitted bags | William Joseph, Stockton | Sp. men. |
| Gents' hat boxes | William Joseph, Stockton | Sp. men. |
| Ladies' purses | William Joseph, Stockton | Sp. men. |
| Leather lunch boxes | William Joseph, Stockton | \$2 00 |
| Cuff and collar boxes | William Joseph, Stockton | Sp. men. |
| Excelsior creamalade | Mrs. E. P. Daniels, Stockton | Sp. men. |
| Electro-medical cabinet baths | L. O. Hudson & Sons, Stockton | Sp. men. |
| Embroidery machine | Mrs. E. P. Daniels, Stockton | Diploma. |
| Exhibit of baking powders | Cleveland Baking Powder Co., N. Y. | D. & sp. m. |
| Display of portiers and draperies | Doan & Kerns, Stockton | Sp. men. |
| Miniature butter refrigerator | J. H. Dexter, San Francisco | \$2 00 |
| Two rustic hazelwood chairs | Charles Sairs, Camp Capitola | Diploma. |
| Semolino | Stockton Milling Co. | Diploma. |
| Cracked wheat | Stockton Milling Co. | Diploma. |
| Corn meal | Stockton Milling Co. | Diploma. |
| Hops | L. W. Robbins & Co., Stockton | Sp. men. |
| Clay piping for sewers | Stockton Terra Cotta Co. | Diploma. |
| Sample of clay used in making sewer pipes | Stockton Terra Cotta Co. | Diploma. |
| Display of fancy stationery | Herbert Baldwin, Stockton | Diploma. |
| Display of holiday books | Herbert Baldwin, Stockton | Diploma. |
| Case solid silverware | C. E. Owen, Stockton | \$5 00 |
| Case plated silverware | C. E. Owen, Stockton | 3 00 |
| General display of musical instruments— organ and two pianos | C. E. Owen, Stockton | 5 00 |
| Wilcox & White automatic self-playing organ | C. E. Owen, Stockton | Sp. men. |
| One baby grand piano | C. E. Owen, Stockton | \$5 00 |
| Toilet cases | Herbert Baldwin, Stockton | Diploma. |
| Ointment | Miss D. E. Day, San Francisco | Sp. men. |
| Cluff garment fastener | Cluff's Garment Fastener Co., Lodi | Diploma. |
| Trace fasteners | C. M. Carrington, Connecticut | Diploma. |
| Maple sugar and syrup | L. W. Robbins & Co., Stockton | \$7 50 |
| Electric headlights | Doak & Adams, Stockton | 3 00 |
| "Perfection" embroidery and tufting ma- chine | J. H. Squires, San Francisco | Diploma. |
| Economy feed boxes | K. Hunter, Oakland | Diploma. |
| Deodorizing catarrh cure, uterine capsules | Mrs. S. J. Logan, Stockton | Sp. men. |
| One twelve-foot cultivator and seeder, two orchard cultivators, three sections of wood harrow, three sections of iron harrow, one pair leadbars, two pairs stretchers, two stretcher bars, four sin- gletrees, two fifth chains, three rolling colters, two disks, sample of shears and molds, one grain carrier, one draper, sample of castings, and sulky plow | Matteson & Williamson Mfg. Co., Stockton | Sp. men. |
| One rug | Mrs. E. Parker, Stockton | Sp. men. |
| One silk shawl | Mrs. Leon, Stockton | Sp. men. |
| One fire screen | Clara Shepherd, Stockton | Sp. men. |
| Landscape painting | Amy Ferguson, Stockton | Sp. men. |
| One fire screen | Alvira Musto, Stockton | Sp. men. |
| Two quilts | J. B. Kerrick, Collegeville | Sp. men. |
| Buffalo robe | W. B. Warder, Collegeville | Sp. men. |
| Prairie dogs | J. B. Kerrick, Collegeville | Sp. men. |
| Four portraits in water colors | Mrs. N. B. Jenks (artist, Miss H. Wilkinson), Stockton | Sp. men. |
| Sarsaparilla, sarsaparilla and iron water, orange, soda (Beldings and Napa), gin- ger ale, cider, mineral water | Mrs. Frank Rider, Stockton | Sp. men. |
| Vegetable wreath | Mrs. J. M. Corsen, Stockton | Sp. men. |
| One landscape painting (in oil), one ma- rine painting (in oil), one portrait paint- ing (in oil), two animal paintings (in oil) Special exhibition of twenty-five paintings Watermelons | L. U. Shippee, Stockton | Sp. men. |
| General display of candy, peanuts, pop- corn, and nuts | Norton Bush, San Francisco | Sp. men. |
| Reception room | Mr. Miller, Lodi | Sp. men. |
| | Darrah & Cail, Stockton | Sp. men. |
| | Mrs. J. M. La Rue and Mrs. G. A. McKinzie, Stockton | Sp. men. |

MISCELLANEOUS DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---|----------|
| General display of shoes and slippers | John Garwood, Stockton | Sp. men. |
| One animal picture | L. U. Shippee, Stockton | Sp. men. |
| Two gents' undervests, one lady's under- vest, three pairs silk socks, three pairs slumber shoes, one pair knit waists for children, one shawl, one baby afghan, four pairs knit baby shoes | Mrs. T. W. Newell, Stockton | Sp. men. |
| One large sofa pillow, four ornamental fans, four pieces Spanish drawn work, four crochet tidies, four head rests, three silk and lace pincushions, eighteen vari- eties of crochet, one satin handkerchief case, bunch of oranges, scarf embroidered in silk, six knit undervests, shopping bag, three towels embroidered in silk, two knit capes, one knit skirt, two fancy whisk-broom holders, one dressing cape, string of fish for pincushion, two pairs slippers, one crochet lounge cover, col- lection of animals (made of plush, vel- vet, canton flannel, etc.), one carriage afghan, two doll pincushions, one pair undervests for children, one card holder, one machine pocket, one fascinator | State Insane Asylum, Stockton; kindness of Dr. H. N. Rucker, Superintendent, and Mrs. Rams- dell, Matron | Sp. men. |
| Exhibit of plums, grapes, raisins, peaches, quinces, prunes, vegetables, pomegran- ates, oranges, jellies, almonds, walnuts, shell-bark hickory nuts, paw paws, per- simmons, and pickles | John Northrop, Amador County .. | Sp. men. |
| Tree stump from the redwood forests in Tulare County; circumference, 76 feet; original height of tree, 344 feet; sup- posed age, 3,640 years | E. H. Lewis, Tulare County | \$50 00 |
| Mammoth beetles | A. M. Abbott, Linden road, San Joaquin County | Sp. men. |
| One ship, one ship in a bottle, and cross and ladder in a bottle | Mr. Dalta, Peters | Sp. men. |
| Crystalline spectacles | C. F. Hughes, Los Angeles | Sp. men. |

BENCH SHOW.

| Name. | Owner. | Award. |
|-----------------------------------|--------------------------|----------|
| ST. BERNARDS—(ALL AGES). | | |
| Rover | A. Felchin | 1st med. |
| NEWFOUNDLANDS—(ALL AGES). | | |
| Mora | Mrs. C. Pellegrini | 1st med. |
| GERMAN ULLMERS—(ALL AGES). | | |
| Brutus | F. P. Clark | 1st med. |
| MASTIFFS. | | |
| Bismarck, over one year | David Winders | 1st med. |
| —, under one year | J. T. Santer | 1st med. |
| GORDON SETTERS—(ALL AGES). | | |
| Sport | John M. Perry | 1st med. |
| IRISH SETTERS—(ALL AGES). | | |
| Sprig | Charles Brown | 1st med. |
| CHESAPEAKE RETRIEVERS—(ALL AGES). | | |
| Sequoia (male) | S. N. Cross | 1st med. |
| Pansy (female) | David Berlin | 1st med. |

BENCH SHOW—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-------------------------|----------|
| FIELD SPANIELS—(ALL AGES). | | |
| Cute | A. C. Davenport | 1st dip. |
| COCKER SPANIELS—BLACK. | | |
| Bronta (male), over one year | A. C. Davenport | 1st med. |
| Belle Dot (female), over one year | A. C. Davenport | 1st dip. |
| Rita (female), over one year | F. J. Viebrock | 2d dip. |
| Blackbird (female), under one year | Mrs. P. S. Wilbur | 1st med. |
| COCKER SPANIELS—OTHER THAN BLACK. | | |
| Cæsar (male), over one year | A. C. Davenport | 1st dip. |
| Maude E (female), over one year | A. C. Davenport | 1st dip. |
| Reo (male), under one year | F. J. Viebrock | 1st med. |
| Bronettie (female), under one year | A. C. Davenport | 1st dip. |
| Ila (female), under one year | A. C. Davenport | 2d dip. |
| PUGS—MORRISON. | | |
| Jack, over one year | I. D. Holden | 1st med. |
| PUGS—WILLOUGHBY. | | |
| <i>Prize Class.</i> | | |
| Tasso, over one year | J. E. Doak | 1st med. |
| <i>Open Class.</i> | | |
| Doctor, over one year | J. Glick | 1st med. |
| BULL TERRIERS. | | |
| Bulger (male), over one year | F. P. Clark | 1st dip. |
| Jake (male), under one year | W. F. Watters | 1st med. |
| FOX TERRIERS—(ALL AGES). | | |
| Midget (female) | J. T. Keane | 1st med. |
| BLACK AND TAN TERRIERS—(ALL AGES). | | |
| Tiny (female) | J. T. Keane | 1st dip. |
| SPECIAL PREMIUMS. | | |
| MASTIFF. | | |
| Nero, over one year | H. C. Palmer | Medal. |
| YORKSHIRE TERRIER. | | |
| Topsy, over one year | A. C. Davenport | Diploma. |
| MASTIFF AND NEWFOUNDLAND. | | |
| Nigger | J. W. Egan | Medal. |
| SPITZ AND SCOTCH TERRIER. | | |
| Major, under one year | W. H. Denig | Medal. |
| BULL TERRIER. | | |
| Prince, under one year | A. Felchlin | Diploma. |
| COCKER SPANIEL. | | |
| Roy, under one year | David Winders | Diploma. |

SPEED PROGRAMME.

TUESDAY, SEPTEMBER 22, 1891.

RACE No. 1—RUNNING.

The Nursery Stake. For two-year olds. A sweepstake of \$25 each; \$10 forfeit; \$200 added; second to save stake. Winners at this distance at the State Fair to carry three pounds extra. Maidens allowed ten pounds. Closed with twenty-one nominations. Three quarters of a mile.

| | |
|---|---|
| Dickey & Thomas' b. c. Pescador, by Gano; dam, Meda Howard—118 lbs..... | 1 |
| D. J. McCarty's b. c. Romair, by Argyle; dam, Rosetta—118 lbs..... | 2 |
| C. S. Sargent's b. f. Bessie W, by imp. Darebin; dam, Glendora—105 lbs..... | 3 |

Time—1:15½.

RACE No. 2—RUNNING.

The Sargent Stake. A sweepstake for three-year olds; \$100 each, h. f.; \$500 added. Closed with eleven nominations. One mile and a half.

| | |
|--|-------|
| L. U. Shippee's b. c. Lodowic, by Longfellow; dam, Carrie Phillips—122 lbs. | w. o. |
|--|-------|

RACE No. 3—TROTTING.

For district yearlings. Entrance, \$50; \$100 added. Closed with fourteen nominations. One mile dash.

| | |
|---|---|
| W. F. Jordan's b. f. Countess, by Campaign; dam, by Bonner..... | 1 |
| H. Whiting's s. c. By Thorne, by Hawthorne; dam, by Priam..... | 2 |
| Alex. Chalmers' b. c. Rex, by Campaign; dam, by Priam..... | 3 |
| W. H. Parker's b. f. Claraign, by Campaign; dam, by Priam..... | 4 |
| D. Young's br. c. Whistler, by Hero; dam, by Nephew..... | 5 |
| R. C. Sargent's ch. f. Rose S, by Priam..... | 6 |
| Funk Bros.' b. c. L. A. Dick, by Richards' Elector (2170); dam, by Ha Ha..... | 7 |

Time—3:06½.

WEDNESDAY, SEPTEMBER 23, 1891.

RACE No. 4—SPECIAL TROTTING.

For named horses. Purse, \$350. Mile heats, best three in five.

| | | | | | | |
|---|---|---|---|---|---|-------|
| W. F. Jordan's b. h. Elect Moore, by Elect; dam, Feney..... | 4 | 4 | 1 | 1 | 0 | 1 |
| L. U. Shippee's b. h. Kilrain, by Hawthorne; dam, by Whipple's Hamb. | 1 | 3 | 2 | 4 | 0 | 3 |
| L. M. Morse's b. f. Maggie, by Dexter Prince; dam, Peerless..... | 2 | 1 | 5 | 3 | 3 | 2 |
| L. A. Richards' b. f. Electriana, by Richards' Elector; dam, by Stemwinder..... | 3 | 2 | 3 | 2 | 4 | r. o. |
| D. J. Spellman's s. m. Maud, by Hiram; dam, by Chieftain..... | 5 | 5 | 4 | 5 | 5 | r. o. |

Time—2:29½; 2:27½; 2:27; 2:28; 2:28½; 2:32½.

RACE No. 5—TROTTING.

For district two-year olds. Entrance, \$50; \$150 added. Closed with sixteen nominations. Mile heats, best two in three.

| | | |
|--|------|------|
| C. A. Spencer's b. c. Rosiris, by Iris; dam, by Bay Rose..... | 1 | 1 |
| Thomas Wall's b. c. Antioch..... | 2 | 2 |
| George Mosher's b. c. Perfection, by Campaign; dam, Lena Carlton..... | 3 | dis. |
| D. Young's b. f. Maude, by Dexter Prince; dam, by John Nelson..... | 4 | dis. |
| L. A. Richards' br. c. El Rio, by Richards' Elector (2170)..... | 5 | dis. |
| L. L. Huntley's blk. c. Orator, by Campaign; dam, by Silverthread..... | dis. | |

Time—2:47½; 2:40½.

RACE No. 6—TROTTING.

For district three-year olds. Entrance, \$50; \$150 added. Closed with eight nominations. Mile heats, best three in five.

| | | | | | |
|---|---|---|---|---|------|
| L. A. Richards' b. f. Ella M, by Richards' Elector (2170) | 1 | 1 | 2 | 0 | 1 |
| H. McHugh's g. g. Fitzsimmons, by Dexter Prince | 3 | 2 | 1 | 0 | 2 |
| W. F. Jordan's blk. f. Spurwing, by Hawthorne; dam, by Silverthread ... | 2 | 3 | 3 | 0 | dis. |

Time—2:41½; 2:39½; 2:36; 2:52½; 2:42½.

THURSDAY, SEPTEMBER 24, 1891.

RACE No. 9—RUNNING.

For three-year olds and upwards. Purse, \$200; \$10 from starters to go to second horse. Closed with eleven nominations. Three quarters of a mile and repeat.

| | | |
|---|---|---|
| O. Appleby's b. c. Wild Rose, by Wildidle; dam, Roseland—111 lbs. | 1 | 1 |
| Cy. Mulkey's b. g. Gladiator, by Grinstead; dam, Athola—117 lbs. | 2 | 2 |
| Owen Brothers' ch. c. Ed. McGinty, by Corrigan; dam, by Owen Dale—111 lbs. | 3 | 3 |

Time—1:17½; 1:18½.

RACE No. 10—RUNNING.

The Big Tree Stake. A sweepstake for three-year olds; \$100 each, h. f.; \$400 added. Closed with seven nominations. One and one quarter miles.

| | |
|--|---|
| Schuere, Wheden & Napier's b. f. Cheerful, by Three Cheers; dam, Queen Emma—124 lbs. 1 | 1 |
| Cy. Mulkey's b. c. Sinfax, by Wildidle; dam, Fostress—122 lbs. | 2 |
| Owen Brothers' b. c. Mero, by Wildidle; dam, Precious—127 lbs. | 3 |

Time—2:11½.

RACE No. 11—RUNNING.

The Harvester Handicap. For all ages; \$50 each, h. f., or only \$15 if declared, with \$300 added; second to save stake. Closed with fifteen nominations. One mile and an eighth.

| | |
|--|---|
| Owen Brothers' br. h. Captain Al, by Kingston; dam, Black Maria | 1 |
| D. Bridges' g. g. John Treat, by Shiloh | 2 |
| Elmwood Farm's b. c. Sir Walter, by Nathan Coombs; dam, Bessie W | 3 |

Time—1:55.

RACE No. 13—TROTTING.

2:26 Class. Purse, \$1,000. Mile heats, best three in five.

| | | | |
|--|---|---|------|
| Irvin Ayres' b. h. Balkan, by Mambrino Wilkes; dam, Fanny Fern | 1 | 1 | 1 |
| J. A. Goldsmith's ch. h. Beaumont, by Le Grande; dam, by Arthurton | 3 | 3 | 2 |
| Captain J. Hayes' r. h. Strathway, by Steinway; dam, Countess | 5 | 5 | 8 |
| Agnew Stock Farm's br. m. Flora G, by Altoona; dam, Susie | 4 | 4 | 4 |
| R. Murphy's Maud Dee, by Anteeo; dam, by Nutwood | 2 | 2 | dis. |

Time—2:22½; 2:21½; 2:22½.

FRIDAY, SEPTEMBER 25, 1891.

RACE No. 14—TROTTING.

For district four-year olds. Entrance, \$50; \$150 added. Closed with six nominations. Mile heats, best three in five.

| | | |
|--|---|---|
| Funk Bros.' b. f. Lizzie F, by Richards' Elector (2170); dam, by Duke McClellan. 1 | 1 | 1 |
| L. U. Shippee's ch. g. Thornwood, by Hawthorne; dam, by Whipple's Hambletonian | 2 | 2 |
| L. M. Morse's br. f. Jessie, by Dexter Prince | 3 | 3 |

Time—2:35; 2:34½; 2:25½.

RACE No. 14½—RUNNING.

For named horses. Purse, \$100. Three quarters of a mile.

| | |
|---|---|
| Harrison's ch. h. Hinsdale Chief, by Joe Hooker; dam, by Joe Daniels—105 lbs..... | 1 |
| J. Shepherd's Silverbow, by imp. Fletcher; dam, Belle of the West—118 lbs..... | 2 |
| <i>Time</i> —1:17. | |

RACE No. 15—PACING.

2:30 Class. Purse, \$600. Closed with nine nominations. Mile heats, best three in five.

| | | | |
|--|---|---|------|
| J. A. Goldsmith's b. m. Allanah, by Guy Wilkes; dam, Mollie Drew..... | 1 | 1 | 1 |
| Robert S. Brown's b. g. Plunkett, by Strathern; dam, Fly..... | 2 | 2 | 2 |
| Houser & Nicewonger's g. g. George N, by Dorsey's Nephew; dam, by Norfolk..... | 3 | 3 | dis. |
| <i>Time</i> —2:21½; 2:18½; 2:21. | | | |

RACE No. 16—SPECIAL TROTTING.

2:26 Class. For named horses. Purse, \$600. Mile heats, best three in five.

| | | | | |
|--|---|---|---|---|
| J. A. Goldsmith's b. m. Annie E..... | 4 | 1 | 1 | 1 |
| W. P. Mizner's b. m. Mattie P..... | 1 | 2 | 3 | 4 |
| William Donathan's b. h. Thornhill..... | 2 | 3 | 2 | 3 |
| Palo Alto Stable's Clarion..... | 3 | 4 | 4 | 2 |
| <i>Time</i> —2:39½; 2:23½; 2:26½; 2:26½. | | | | |

RACE No. 17—SPECIAL TROTTING.

Purse, \$1,200. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| F. H. Burke's b. m. Wanda, by Eros; dam, by Elmo..... | 1 | 1 | 1 |
| De Turk & McGraw's blk. s. Silas Skinner, by Alconá, Jr.; dam, by Fontana..... | 2 | 2 | 2 |
| J. A. Goldsmith's b. m. Una Wilkes, by Guy Wilkes; dam, Blanche..... | 3 | 3 | 3 |
| <i>Time</i> —2:17½; 2:19; 2:18. | | | |

SATURDAY, SEPTEMBER 26, 1891.

RACE No. 18—RUNNING.

The Carmen Purse. For all ages. Purse, \$250; \$10 from starters to go to second horse. Closed with eighteen nominations. One mile.

| | |
|--|---|
| Dickey & Thomas' b. c. Pescador, by Gano; dam, Meda Howard—85 lbs..... | 1 |
| Owen Brothers' br. h. Captain Al, by Kingston; dam, Black Maria—122 lbs..... | 2 |
| O. Appleby's ch. f. Esperanza, by Judge McKinstry; dam, May D—82 lbs..... | 3 |
| <i>Time</i> —1:42. | |

RACE No. 19—RUNNING.

The George B. Sperry Handicap. For all ages; \$50 each, h. f., or only \$15 if declared, with \$300 added; second to save stake. Closed with thirteen nominations. One mile and a quarter.

| | |
|--|---|
| O. Appleby's b. c. Wild Rose, by Wildidle; dam, Rosetland—100 lbs..... | 1 |
| Cy. Mulkey's b. g. Gladiator, by Grinstead; dam, Athola—95 lbs..... | 2 |
| <i>Time</i> —2:18½. | |

RACE No. 21—TROTTING.

2:22 Class. Purse, \$1,000. Closed with eight nominations. Mile heats, best three in five.

| | | | | |
|--|---|---|------|---|
| C. A. Durfee's br. h. McKinney, by Alcyone; dam, Rose Sprague..... | 5 | 1 | 1 | 1 |
| Funk Brothers' b. f. Lizzie F, by Elector (2170); dam, by Duke McClellan | 2 | 2 | 3 | 2 |
| Palo Alto Stock Farm's b. f. Coral, by Electioneer; dam, Columbine..... | 6 | 6 | 2 | 4 |
| McFadyen & Murphy's b. h. Redwood, by Anteeo; dam, by Milton Medium..... | 4 | 3 | 5 | 5 |
| Martin Carter's Maud C..... | 7 | 5 | 4 | 3 |
| L. A. Richards' b. f. Flora M, by Elector (2170); dam, Phoebe Drew | 1 | 7 | dis. | |
| Agnew Stock Farm's b. f. Lynette, by Lynwood; dam, Lady Belle..... | 3 | 4 | dis. | |

Time—2:21½; 2:20½; 2:17½; 2:19.

RACE No. 24—SPECIAL TROTTING.

Purse, \$500. Mile heats, best three in five.

| | | | | |
|--|---|---|------|--|
| Palo Alto Stock Farm's blk. f. Ladywell, by Electioneer; dam, Lady Lowell..... | 1 | 1 | 1 | |
| H. I. Thornton's b. h. James Madison, by Anteeo; dam, Lucy Patchen, by Patchen, Jr. | 2 | 2 | 2 | |
| J. L. McCord's ch. g. Shylock, by Tom Benton; dam, Brown Jennie, by Dave Hill, Jr. | 3 | 3 | 3 | |
| Capt. J. Hayes' Strathway, by Steinway; dam, Countess | 4 | 4 | 4 | |
| Fannie D, by Mansfield; dam, Bechar | 5 | 5 | dis. | |

Time—2:22½; 2:26½; 2:20½.

RACE No. 25—TWENTY-MILE RACE.

Purse, \$200. Riders named. Each to have five horses, and change every mile, and to ride twenty miles.

| | |
|---------------------|---|
| Luke Flower..... | 1 |
| Henry Peppers | 2 |

Time—1st mile, 2:34½; 2d, 2:06½; 3d, 2:43½; 4th, 2:21½; 5th, 2:03½; 6th, 2:41½; 7th, 2:32; 8th, 2:28; 9th, 2:02½; 10th, 2:37½; 11th, 2:58; 12th, 2:39½; 13th, 2:32½; 14th, 2:38; 15th, 2:39½; 16th, 2:32; 17th, 2:45½; 18th, 2:28; 19th, 2:28½; 20th, 2:11½; total, 50:03½.

RACE No. 26—SPECIAL RIDING FOR COUNTRY SCHOOL GIRLS.

First premium, \$20; second, \$15; third, \$10.

| | |
|-------------------------|---|
| Viola Rich | 1 |
| Kate Harvey | 2 |
| Minnie Blankenship..... | 3 |

RECORD MEETING OF 1891,

HELD UNDER THE AUSPICES OF SAN JOAQUIN VALLEY AGRICULTURAL
ASSOCIATION (DISTRICT No. 2), AT STOCKTON, CAL.

OCTOBER 6, 1891.

| | |
|---|------------------------|
| Arion (2), 2:21, b. c., by Electioneer. Palo Alto Stables | 1:08, 2:15 |
| Guide (a), 2:20, br. h., by Director. A. T. Hatch | 0:33, 1:05, 1:46, 2:17 |
| Electricity, 2:22, b. h., by Electioneer. Palo Alto Stables | 0:35, 1:08, 1:42, 2:17 |
| Azmoor, 2:24, b. h., by Electioneer. Palo Alto Stables | 0:34, 1:08, 1:42, 2:20 |
| Balkan (a), 2:21, br. h., by Mambrino Wilkes. Irvin Ayres | 0:34, 1:07, 1:39, 2:15 |
| Mount Vernon (a), 2:21, b. h., by Nutwood. J. A. McCloud | 0:35, 1:09, —, 2:18 |

MATCHED.

| | |
|---|------------------------|
| { Bell Bird (1), 2:29, br. f., by Electioneer. Palo Alto Stables. 1 | 0:37, 1:13, 1:50, 2:27 |
| { Clarlain (1), b. f., by Campaign. W. H. Parker. 2 | — |
| { Clarion (4), by Ansel. Palo Alto Stables. 2 1 2 | 2:25 |
| { Mount Hood (4), b. h., by Eros. O. A. Hickok. 1 2 1 | 2:28, 2:26 |
| { Mont Rose (3), b. f., by Electioneer. Palo Alto Stables. 1 2 1 | 2:22, 2:22 |
| { Electrina, b. f., by Richards' Elector. L. A. Richards. 2 1 2 | 2:30 |
| { Maud, s. m., by Hiram. Daniel Lieginger. 1 2 1 | 2:36, 2:30 |
| { Thornwood, ch. g., by Hawthorne. L. U. Shippee. 2 1 2 | 2:29 |
| { Electrice (5), by Richards' Elector. L. A. Richards. 2 1 1 | 2:27, 2:30 |
| { Tiny (2), by Electioneer. Palo Alto Stables. 1 2 2 | 2:28 |
| { By Thorne (5), b. h., by Hawthorne. L. U. Shippee. 2 1 1 | 2:33, 2:28 |
| { Wild Bee (3), by Piedmont. Palo Alto Stables. 1 2 2 | 2:30 |

OCTOBER 13, 1891.

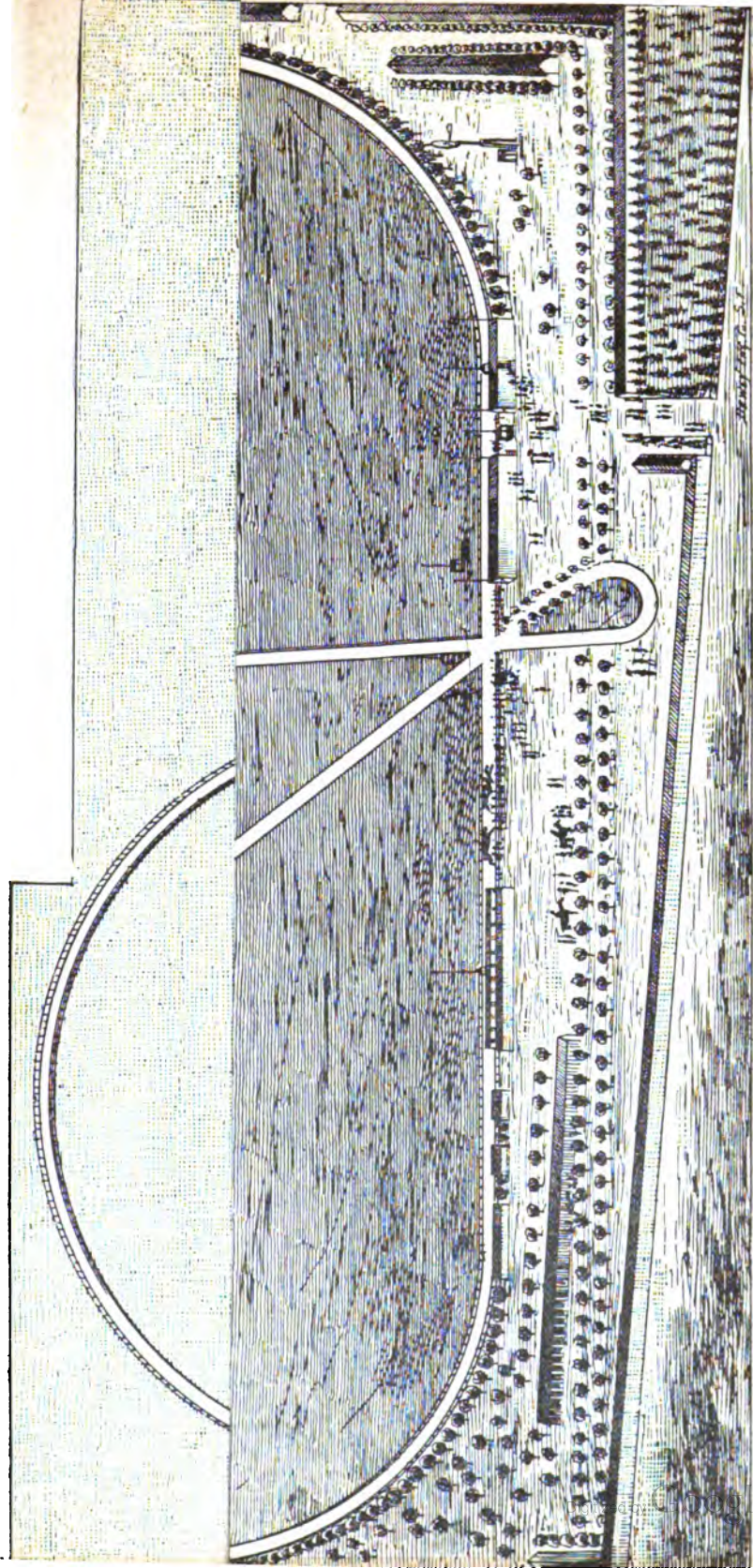
| | |
|---|------------------------|
| Sunol (5), 2:10, b. m., by Electioneer. Palo Alto Stables | 0:31, 1:02, —, 2:10 |
| Kilrain, 2:23, b. h., by Hawthorne. L. U. Shippee | 2:24 |
| Oaknut, 2:25, ch. h., by Dawn. W. R. Overholzer | 2:24 |
| Palo Alto, 2:12, by Electioneer. Palo Alto Stables | 2:12 |
| By Thorne (5), 2:23, by Hawthorne. L. U. Shippee | 2:28 |
| Mount Hood (4), 2:23, b. h., by Eros. O. A. Hickok | 2:27 |
| Ladywell, 2:20, br. m., by Electioneer. Palo Alto Stables | 0:34, 1:06, 1:42, 2:17 |
| Maud C, 2:22, s. m., by California Nutwood. Martin Carter | 2:23 |
| Balkan (a), 2:15, br. h., by Mambrino Wilkes. Irvin Ayres | 2:20 |

MATCHED.

| | |
|--|----------------|
| { Pleasanton, b. c., by Richards' Elector. L. A. Richards. 2 1 1 | 2:35, 2:32 |
| { Birdie, blk. f., by Sidney. Valensin Stock Farm. 1 2 2 | 2:28 |
| { Bellflower (2), by Electioneer. Palo Alto Stables. 2 1 1 | 2:25, 2:24 |
| { Capt. Thorne, b. c., by Hawthorne. L. U. Shippee. 1 2 2 | 2:24 |
| { Sidena, ch. f., by Sidney. W. E. Green. 2 1 1 | 2:32, 2:31 |
| { Ella M, by Richards' Elector. L. A. Richards. 1 2 2 | 2:28 |
| { Norhawk, b. h., by Norval. Palo Alto Stables. 1 2 1 | 2:27, no time. |
| { Dexter Princess, b. f., by Dexter Prince. Dr. H. Latham. 2 1 2 | 2:46, no time. |

OCTOBER 20, 1891.

| | |
|--|------------------------|
| Thornwood, 2:20, ch. g., by Hawthorne. L. U. Shippee | 2:28, 2:27 |
| Advertiser (3), 2:22, b. h., by Electioneer. Palo Alto Stables | 0:34, 1:06, 1:40, 2:16 |
| Kilrain, 2:24, b. h., by Hawthorne. L. U. Shippee | 2:22 |
| Mount Hood (4), 2:24, b. h., by Eros. O. A. Hickok | 2:22 |



KITE-SHAPED AND REGULATION RACE COURSES AT STOCKTON, CALIFORNIA.

| | |
|---|-------|
| Ladywell, 2:17, br. m., by Electioneer. Palo Alto Stables | 2:16½ |
| Capt. Thorne (3), 2:24½, b. h., by Hawthorne. L. U. Shippee | 2:19½ |
| Birdie, 2:28, blk. f., by Sidney. E. K. Alsip | 2:30 |
| Guide (a), 2:17½, br. h., by Director. A. T. Hatch | 2:34½ |
| Mount Vernon, 2:18½, b. h., by Nutwood. J. A. McCloud | 2:16½ |
| Nutwood Wilkes (3), 2:17½, s. h., by Guy Wilkes. Martin Carter | 2:18 |
| Lida W, pacer, 2:26, ch. m., by California Nutwood. Martin Carter | 2:20½ |
| Sunol, 2:10, b. m., by Electioneer. Palo Alto Stables | 2:18½ |
| -----0:31½, 0:82½, 0:83, 2:08½ (world's record). | |

MATCHED.

| | |
|--|--------------|
| {Dell Win, pacer, b. h., by Del Sur. Samuel Gamble. 1 2 1 | 2:29½; 2:27½ |
| {Lightfoot, b. h. John Kenner. 2 1 2 | 2:30½ |
| {Norris (4), s. h., by Ansel. Palo Alto Stables. 2 1 1 | 2:41; 2:34½ |
| {Dexter Princess, b. m., by Dexter Prince. Dr. H. Latham. 1 2 2 | 2:28½ |
| {Lily Dale, b. m. Campbell. 1 1 | 2:80½; 2:32½ |
| {Pleasanton, 2:32½, b. c., by Richards' Elector. L. A. Richards. 2 2 | |
| {Sacramento Girl, b. m., by Alcazar. H. S. Hogoboom. 1 0 1 | 2:31½; 2:37½ |
| {Vivian, b. h., by Homer. W. H. Vioget. 2 0 2 | No time. |
| {Hazel, br. h., by Clay. Palo Alto Stables. 1 2 1 | 2:28; 2:29 |
| {Hallstorm, b. g., by Anteeo, Jr. J. C. Smith. 2 1 2 | 2:39½ |
| {Menlo Fallis, b. h., by Fallis. 2 1 1 | 2:31½; 2:37½ |
| {Daylight, b. m., by Norris. F. H. Burke. 1 2 2 | 2:30½ |
| {Sidena, 2:31, ch. f., by Sidney. W. E. Green. 1 2 1 | 2:30; 2:29 |
| {Novelist (2), b. f., by Norval. Palo Alto Stables. 2 1 2 | 2:31½ |

OCTOBER 21, 1891.

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| Bell Bird (1), 2:27½, br. f., by Electioneer. Palo Alto Stables | 0:37½, 1:14, 1:51, 2:28½ |
| Maud C, 2:22, s. m., by California Nutwood. Martin Carter | 2:19½ |
| Arion (2), 2:15½, b. c., by Electioneer. Palo Alto Stables | 2:14½ |
| Ross S, 2:25, b. h., by Nutwood. W. Ober | 2:25½ |
| Palo Alto, 2:12½, b. h., by Electioneer. Palo Alto Stables | 0:33½, 1:05, 1:39½, 2:11½ |
| Norhawk (3), 2:27½, b. h., by Norval. Palo Alto Stables | 2:20½ |
| By Thorne (5), 2:28½, b. h., by Hawthorne. L. U. Shippee | 2:26; 2:31½ |
| Annie C, pacer, 2:27½, b. m., by California Nutwood. Martin Carter | 2:25 |
| Frou Frou (1), s. f., by Sidney. Valensin Stock Farm | 2:41 |

MATCHED.

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| {Norris (4), 2:34½, s. h., by Ansel. Palo Alto Stables. 1 2 1 | 2:22½; 2:29½ |
| {Daylight (4), br. h., by Norris. W. H. Vioget. 2 1 2 | 2:30 |
| {Sid Fleet, br. m., by Sidney. Valensin Stock Farm. 1 1 | 2:26½; 2:40 |
| {Ernie P, by Lynwood. W. E. Green. 2 2 | |
| {Menlo Fallis, 2:31½, b. h., by Fallis. 1 1 | 2:32; 2:27½ |
| {Dexter Princess, 2:28½, b. m., by Dexter Prince. Dr. H. Latham. 2 2 | |

OCTOBER 27, 1891.

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|---|--------------|
| Palo Alto, 2:11½, b. h., by Electioneer. Palo Alto Stables | 2:10 |
| Sid Fleet (2), 2:26½, br. h., by Sidney. Valensin Stock Farm | No time. |
| By Thorne (5), 2:25, b. h., by Hawthorne. L. U. Shippee | 2:23½ |
| Sidena, 2:29, ch. f. by Sidney. W. E. Green | 2:28½ |
| Guide, 2:16½, blk. h., by Director. O. A. Hickok | 2:16½ |
| Birdie, 2:24, blk. f., by Sidney. E. K. Alsip | 2:24 |
| Strathway, 2:20, ch. h., by Steinway. Capt. J. Hayes | 2:21½ |
| Maud C, 2:19½, ch. m., by California Nutwood. Martin Carter | 2:19½ |
| Kilrain, 2:22½, b. h., by Hawthorne. L. U. Shippee | 2:24½ |
| Annie C, pacer, 2:25, b. m., by California Nutwood. Martin Carter | 2:27½ |
| Prince, pacer, 2:29½, b. h., by Fremont. T. J. Carmichael | 2:26½; 2:25½ |
| Dexter Princess, 2:27½, b. m., by Dexter Prince. Dr. H. Latham | 2:26; 2:32½ |
| Redwood, 2:21, b. h., by Anteeo. McFadyen & Murphy | 2:23 |
| Dell Win, pacer, 2:27, b. h., by Del Sur. Samuel Gamble | 2:26½ |

MATCHED.

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| {Novelist (2), 2:31½, b. f., by Norval. Palo Alto Stables. 1 2 1 | 2:27; 2:29½ |
| {Boodle, br. h., by Stranger. C. B. Coffin. 2 1 2 | 2:27½ |
| {Maud, blk. m., by McDonald Chief. Thomas Smith. 2 1 1 | 2:30½; 2:29½ |
| {Vivian, b. h., by Homer. W. H. Vioget. 1 2 2 | 2:27½ |

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|---|-----------------------|
| {Emma R, b. f., by Electioneer. Palo Alto Stables. 1 1 1..... | 2:31½; no time; 2:30½ |
| {Lightfoot, 2:30½, b. h. J. Kenner. 2 2 2..... | 2:31½ |
| {Bell Thorne, br. m., by Whippleton. E. P. Heald. 1 2 1..... | 2:32; 2:42½ |
| {Sacramento Girl, b. m., by Alcazar. H. S. Hogoboom. 2 1 2..... | 2:40 |
| {Frou Frou (1), ch. f., by Sidney. Valensin Stock Farm. 1..... | 2:35½ |
| {Cecilian (2), b. c., by Electioneer. Palo Alto Stables. 2..... | 2:35½ |
| {Pet Thorne, b. m., by Hawthorne. L. U. Shippee. 1 1 2..... | 2:45½; 2:48 |
| {Albina, b. h., by Algona. H. Dodge. 2 2 1..... | 2:37½ |

OCTOBER 31, 1891.

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| Dexter Princess, 2:28½, br. m., by Dexter Prince. Dr. H. Latham..... | 2:28; 2:29½ |
| Frou Frou (1), 2:35½, ch. f., by Sidney. Valensin Stock Farm..... | 2:31½ |
| Strathway, 2:20, ch. h., by Steinway. Capt. J. Hayes..... | 2:29½; 2:22½ |
| Prince, pacer, 2:25½, b. h., by Fremont. T. J. Carmichael..... | 2:23½ |
| Birdie, 2:24, blk. m., by Sidney. E. K. Alsip..... | 2:24½ |
| James Madison, 2:18½, b. h., by Anteo. H. I. Thornton..... | 2:19½ |
| Macleay (2), 2:26½, blk. h., by Sable Wilkes. J. A. Goldsmith..... | 2:22½ |
| Maud C, 2:19½, ch. m., by California Nutwood. Martin Carter..... | 2:19½ |
| Vida Wilkes, 2:22½, ch. m., by Guy Wilkes. San Mateo Stock Farm..... | 2:18½ |

MATCHED.

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| {Kaffir, b. h., by Alcazar. F. P. Lowell. 2 1 1..... | 2:38½; 2:36 |
| {Linnet, b. m., by Electioneer. Palo Alto Stables. 1 2 2..... | 2:40½ |
| {Emma R (3), b. f., by Electioneer. Palo Alto Stables. 1 2 1..... | 2:32½; 2:28½ |
| {Sacramento Girl, b. m., by Alcazar. H. S. Hogoboom. 2 1 2..... | 2:30 |
| {Cecilian (2), b. h., by Electioneer. Palo Alto Stables. 1 2 1..... | 2:23½; 2:26½ |
| {Vernon, gr. h., by May Boy. J. A. Goldsmith. 2 1 2..... | 2:30 |
| {Linnet, 2:40½, b. m., by Electioneer. Palo Alto Stables. 2 1 1..... | 2:29½; 2:30½ |
| {Actor (4), b. h., by Prompter. Stoddard & De Gomez. 1 2 2..... | 2:34½ |
| {Bell Thorne, 2:32, blk. m., by Whippleton. E. P. Heald. 2 1 1..... | 2:45; 2:36½ |
| {Helena (2), b. f., by Electioneer. Palo Alto Stables. 1 2 2..... | 2:29½ |

NOVEMBER 3, 1891.

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|---|---------------------------|
| Frou Frou (1), 2:31½, ch. f., by Sidney. Valensin Stock Farm..... | 2:31½ |
| Palo Alto, 2:10, b. h., by Electioneer. Palo Alto Stables..... | 0:32½, 1:04, 1:36½; 2:09½ |
| Cœur d'Alene, 2:26, b. c., by Dexter Bradford. Mr. Reed..... | 1:08½, 1:51½; 2:21½ |
| Vernon, 2:30, gr. h., by May Boy. J. A. Goldsmith..... | 2:26½ |
| Mont Rose (3), 2:22½, b. f., by Electioneer. Palo Alto Stables..... | 0:37, 1:00½, 1:44½; 2:18 |
| Dexter Princess, 2:23, br. m., by Dexter Prince. Dr. H. Latham..... | 2:26½ |
| By Thorne, 2:23½, b. h., by Hawthorne. L. U. Shippee..... | 2:27; 2:25½ |
| Guide, 2:16½, b. h., by Director. A. T. Hatch..... | 2:16½ |
| Maud C, 2:19, ch. m., by California Nutwood. Martin Carter..... | 2:21½ |
| Cyrus R, 2:28, blk. h., by California Nutwood. T. W. Barstow..... | 2:20½ |
| Beaumont, 2:25½, ch. h., by Le Grande. J. A. Goldsmith..... | 2:23½ |
| Cupid, 2:21, b. h., by Sidney. D. McCarty..... | 2:19 |
| Mount Vernon, 2:13, b. h., by Nutwood. J. A. McCloud..... | 2:19½ |

MATCHED.

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| {Wilkesdale, br. h., by Alcantara. F. P. Lowell. 2 1 1..... | 2:35½; 2:31 |
| {Dot (3), b. f., by Apex. S. N. Straube. 1 2 2..... | 2:31 |
| {Stepaway, b. m., by Conductor. J. E. Dunham. 1 2 1..... | 2:31½; 2:29½ |
| {Hallstorm, (3), b. c., by Anteo, Jr. J. C. Smith. 2 1 2..... | No time. |
| {Lucyneer (3), br. f., by Electioneer. Palo Alto Stables. 1 2 1..... | 2:28½; 2:27 |
| {Elector, Jr., b. h., by Richards' Elector. L. A. Richards. 2 1 2..... | 2:36½ |
| {Albina, b. h., by Algona. W. H. Parker. 2 1..... | 2:38½ |
| {Pet Thorne, 2:43, b. m., by Hawthorne. L. U. Shippee. 1 2..... | 2:55 |
| {Jessie M, b. m., by Electioneer. Palo Alto Stables. 3 3..... | 2:55 |

NOVEMBER 10, 1891.

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|---|--|
| Palo Alto, 2:00½, b. h., by Electioneer. Palo Alto Stables..... | 0:31½, 1:03½, 1:36½, 2:10½; second mile, 2:09½ |
| Arion (2), 2:14½, b. c., by Electioneer. Palo Alto Stables..... | 0:33½, 1:04½, 1:37½; 2:10½ |
| Fausta (1), b. f., by Sidney. Valensin Stock Farm..... | 2:44½ |
| Guide, 2:16½, blk. h., by Director. A. T. Hatch..... | 2:17 |

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|---|--|
| Cyrus R, 2:20½, blk. h., by Nutwood. T. W. Barstow..... | 0:35, 1:08½, 1:44, 2:19½; second mile, 2:20½ |
| Strathway, 2:20, ch. h., by Steinway. Capt. J. Hayes..... | 2:21½ |
| Ross S, 2:25, b. h., by Nutwood. W. Ober..... | 2:21½ |
| Cecilian (2), 2:23½, b. c., by Electioneer. Palo Alto Stables..... | 2:22 |
| James Madison, 2:18½, b. c., by Anteo. H. I. Thornton..... | 2:17½ |
| Cœur d'Alene, 2:21½, b. c., by Dexter Bradford. Mr. Reed..... | 2:19½ |
| Cupid, 2:19, b. h., by Sidney. D. McCarty..... | 2:21½ |
| Dexter Princess, 2:28½, b. m., by Dexter Prince. Dr. H. Latham..... | 2:24½ |
| Beaumont, 2:23½, ch. h., by Le Grande. J. A. Goldsmith..... | 2:23½ |

MATCHED.

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| {Ashton, pacer, b. g., by El Capitan. W. L. Ashe. 2 1 1..... | 2:27½; 2:27½ |
| {Athadon (1), b. c., by Matadon. G. L. Worlow. 1 2 2..... | 2:33 |
| {Actor, br. h., by Prompter. Stoddard & De Gomez. 2 1 1..... | 2:31½; 2:35½ |
| {Wilkesdale, 2:31, b. h., by Alcantara. F. P. Lowell. 1 2 2..... | 2:33½ |
| {Hailstorm (3), b. g., by Anteo, Jr. J. C. Smith. 2 1 1..... | 2:30; 2:33 |
| {Paladin, ch. h., by Hawthorne. L. U. Shippee. 1 2 2..... | 2:29½ |
| {Lady Markham, pacer, b. m., by Bismarck. O. A. Hickok. 1 1..... | 2:23½; 2:28 |
| {Bell Thorne, 2:32, by Whippleton. E. P. Heald. 2 2..... | |
| {Dot (3), 2:31, b. h., by Apex. S. N. Straube. 1 2..... | 2:29½ |
| {El Capitan, b. h., by Nutwood. W. L. Ashe. 2 1..... | 2:30 |
| {Kaffir, 2:36, b. h., by Alcazar. F. P. Lowell. 2..... | |
| {Sibyl, br. m., by Sidney. Valensin Stock Farm. 1..... | 2:32½ |

(Race adjourned to November 14, 1891.)

NOVEMBER 14, 1891.

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| El Capitan, 2:30, b. h., by Nutwood. W. L. Ashe..... | 2:29; 2:30½ |
| Athadon (1), b. c., by Matadon. G. L. Worlow..... | 0:37½, 1:14, 1:53, 2:29½ |

MATCHED.

(Finishing race of November 10, 1891.)

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|---|--------------|
| {Kaffir, 2:36, b. h., by Alcazar. F. P. Lowell. 2 1 1 2..... | 2:38; 2:49 |
| {Sibyl, br. m., by Sidney. Valensin Stock Farm. 1 2 2 1..... | 2:31½; 2:28½ |
| {Albina, 2:35, b. h., by Algona. H. Dodge. 2 1 2..... | 2:37½ |
| {Pet Thorne, 2:38, b. m., by Hawthorne. L. U. Shippee. 1 2 1..... | 2:35; 2:34 |
| {Elector, Jr., 2:23½, b. h., by Richards' Elector. L. A. Richards. 2 1 1..... | 2:36½; 2:34½ |
| {Actor (4), 2:29½, br. h., by Prompter. Stoddard & De Gomez. 1 2 2..... | 2:29½ |
| {Cyrus R, 2:19½, blk. h., by Nutwood. T. W. Barstow. 1 1..... | 2:19½; 2:17½ |
| {Dictator Wilkes (3), b. c., by Director. L. U. Shippee. 2 2..... | |

NOVEMBER 16, 1891.

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|---|----------------------------|
| Palo Alto, 2:09½, b. h., by Electioneer. Palo Alto Stables..... | 0:32½, 1:04, 1:37½, 2:10½ |
| Bell Bird (1), 2:26½, b. f., by Electioneer. Palo Alto Stables..... | 1:16½, 2:34 |
| Fausta (1), 2:44½, b. f., by Sidney. Valensin Stock Farm..... | 0:41½, 1:20, 1:56½, 2:40 |
| Frou Frou (1), 2:31½, ch. f., by Sidney. Valensin Stock Farm..... | 0:39½, 1:13½, 1:53½, 2:28½ |
| Cecilian (2), 2:22, b. c., by Electioneer. Palo Alto Stables..... | 2:23½ |
| Ashton, pacer, 2:27½, b. g., by El Capitan. W. L. Ashe..... | 2:24½; 2:28 |
| Abdol, br. h., by Grand Moor. Ben Alson..... | 2:33 |

MATCHED.

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|---|-------------|
| {Lady Grosvenor (6), by Grosvenor. E. Topham. 1 2 1..... | 2:30; 2:31½ |
| {Kaffir, b. h., by Alcazar. F. P. Lowell. 2 1 2..... | 2:29½ |
| {Red Sid (1), b. c., by Sidney. Valensin Stock Farm. 1..... | 2:50 |
| {Abdol, br. h., by Grand Moor. Ben Alson. 2..... | |

NOVEMBER 17, 1891.

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|---|----------------------------|
| Palo Alto, 2:09½, b. h., by Electioneer. Palo Alto Stables..... | 0:31½, 1:03½, 1:36½, 2:08½ |
| Abdol, 2:33, blk. h., by Grand Moor. Ben Alson..... | 2:28 |
| Bell Bird, 2:26½, b. f., by Electioneer. Palo Alto Stables..... | 2:28 |
| McKinney (4), 2:17, blk. h., by Alcylene. C. A. Durfee..... | 0:33½, 1:06½, 1:40½, 2:12½ |

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|--|------------------------|
| Ashton, pacer, 2:24½, b. g., by El Capitan. W. L. Ashe | 2:27 |
| Prince, pacer, 2:23½, b. h., by Fremont. T. J. Carmichael | 2:26½ |
| Cecilian, 2:22, b. h., by Electioneer. Palo Alto Stables | 2:29; 2:30½ |
| Sibyl, 2:28, br. m., by Sidney. Valensin Stock Farm | 2:27½; 2:29½ |
| Cupid, 2:19, b. h., by Sidney. D. McCarty | 2:20; 2:19½; 2:21½ |
| Paladin, 2:29½, ch. g. by Hawthorne. L. U. Shippee | 2:29½ |
| Athadon (1), 2:29½, b. c., by Matadon. G. L. Worlow | 2:29½ |
| Frou Frou (1), 2:28½, ch. m., by Sidney. Valensin Stock Farm | 0:39, 1:15, 1:52, 2:27 |
| Ross S, 2:21½, b. h., by Nutwood. W. Ober | 2:21½ |
| El Capitan, 2:29, b. h., by Nutwood. W. L. Ashe | 2:36½ |
| Vidette, by Richards' Elector. D. McCarty | 2:28½ |

MATCHED.

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|---|-------------|
| { Niles Beauty, br. m., by Ulster Chief. A. Mayhew. 2 1 1 | 2:44; 2:25½ |
| { Wilkesdale, 2:31, blk. h., by Alcantara. F. P. Lowell. 1 2 2 | 2:33 |
| { Thornhill, b. h. William Donathan. 2 1 1 | 2:26; 2:24½ |
| { Boxwood, ch. h., by Nutwood. H. G. Cox. 1 2 2 | 2:35½ |
| { Elector, Jr., 2:29½, b. h., by Richards' Elector. L. A. Richards. 1 2 1 | 2:41; 2:33 |
| { Lady Grosvenor, 2:27½, b. m., by Grosvenor. E. Topham. 2 1 2 | 2:27½ |
| { Albina, 2:35, b. h., by Algona. H. Dodge. 1 2 | 2:41½ |
| { Pet Thorne, 2:35, b. m., by Hawthorne. L. U. Shippee. 2 1 | 2:38½ |

NOVEMBER 21, 1891.

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|---|----------------------------|
| Cupid, 2:19, b. h., by Sidney. D. McCarty | 0:35, 1:10, 1:46, 2:18 |
| Fausta (1), pacer, 2:40 (trotting), b. f., by Sidney. Valensin Stock Farm | 0:37½, 1:13½, 1:50½, 2:25½ |
| McKinney (4), 2:12½, b. h., by Alcyone. C. A. Durfee | 2:13½ |
| Lady Grosvenor, 2:27½, b. m., by Grosvenor. E. Topham | 2:27 |
| Direct, pacer, 2:06, b. h., by Director. Pleasanton Stock Farm | 0:38½, 1:04, 1:36½, 2:08 |
| Athadon (1), 2:29½, b. c., by Matadon. G. L. Worlow | 2:29½ |
| Frou Frou (1), 2:27, ch. f., by Sidney. Valensin Stock Farm | 0:39½, 1:16, 1:51½, 2:26½ |

MATCHED.

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|---|--------------------|
| { Wilkesdale, 2:31, blk. h., by Alcantara. F. P. Lowell. 1 1 | 2:29½; 2:29 |
| { Flora, b. m., by Jim Lick. H. W. Meek. 2 2 | |
| { Pet Thorne, 2:34, b. m., by Hawthorne. L. U. Shippee. 1 1 1 | 2:31½; 2:34½; 2:31 |
| { Lucille, blk. m., by Dexter Prince. J. E. Dunham. 2 2 2 | |

NOVEMBER 24, 1891.

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|--|----------------------------|
| Abdol, 2:28, blk. h., by Grand Moor. Ben Alson | 2:31; 2:31½ |
| Athadon (1), 2:29½, b. h., by Matadon. G. L. Worlow | 2:28 |
| Frou Frou (1), 2:26½, ch. m., by Sidney. Valensin Stock Farm | 0:37, 1:14½, 1:51, 2:26 |
| Fausta (1), pacer, 2:25½, b. f., by Sidney. Valensin Stock Farm | 0:38½, 1:18½, 1:49½, 2:24½ |
| Cupid, 2:18, b. h., by Sidney. D. McCarty | 2:20 |
| Direct, pacer, 2:06, blk. h., by Director. Pleasanton Stock Farm | 0:30½, 1:01½, 1:34½, 2:07½ |
| Vic H, 2:18½, blk. m., by Reavis' Blackbird. D. M. Reavis | 2:14½ |

NOVEMBER 23, 1891.

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| Fausta (1), pacer, 2:24½, b. f., by Sidney. Valensin Stock Farm | 0:37½, 1:13, 1:48½, 2:22½ |
| Athadon (1), 2:28, b. h., by Matadon. G. L. Worlow | 2:27 |
| Direct, pacer, 2:06, blk. h., by Director. Pleasanton Stock Farm | 0:32½, 1:04½, 1:41, 2:07; second mile, 0:31½, 1:03, 1:35½, 2:06 |
| Frou Frou (1), 2:26, ch. f., by Sidney. Valensin Stock Farm | 0:37½, 0:36½, 0:37, 0:36, 2:25½ |
| Vic H, 2:18½, blk. m., by Reavis' Blackbird. D. M. Reavis | 2:13½ |
| Monbars (2), 2:18, b. h., by Eagle Bird. Dan Leathers | 2:16½ |
| Pet Thorne, 2:31, b. m., by Hawthorne. L. U. Shippee | 2:29; 2:33½ |

I hereby certify that the foregoing is a full and correct transcript of the records on file in the office of the San Joaquin Valley Agricultural Association relating to the Stockton Record Meeting of 1891; that the same has been compared by me with the original, and is correct.

J. M. LA RUE,
Secretary.

Stockton, Cal., December 15, 1891.

HISTORY OF STOCKTON RECORD MEETING, 1891.

Compiled from the "Breeder and Sportsman."

STOCKTON, CAL., October 6, 1891.

Never in the history of the trotting turf has there been witnessed such a series of wonderful performances over a racecourse in any part of the world as at Stockton. The kite-shaped track is "faster" than the fondest enthusiast ever dreamed it would be, and is at once a thing of beauty and a dazzling success. Arion, the compact bay son of Electioneer and Manette, by Nutwood, immortalized himself by breaking the long-standing record of Sunol—2:18—and cast the mark of the much-bragged-of Eastern two-year old trotter, Monbars, so far in the shade that our brethren of Kentucky and Iowa will not recover from the shock for many a long day. Bell Bird, an untried-in-public yearling, daughter of Electioneer and Beautiful Bells, broke Freedom's great record of 2:29 $\frac{1}{2}$, by just two seconds.

The judges were L. U. Shippee, C. E. Needham, and R. C. Sargent, Directors of the association, except when Mr. Shippee had horses in the races, and then Colonel Sperry took his place. The timers were M. F. Sanders, who has charge of the Valensin Stables, James Thompson, the well-known driver, and John C. Shelley.

Marvin brought out the bay colt Arion, by Electioneer, dam, Manette, by Nutwood, who was booked to lower Sunol's two-year old record of 2:18. Arion held the world's record in a race for two-year olds—2:21—made at Sacramento nearly four weeks ago. A galloper hitched to a sulky, and driven by Ed. O'Brien, accompanied Arion on the journey for fame and glory. The first quarter was reached in 0:34 $\frac{1}{2}$, the second in 0:33 $\frac{1}{2}$ —1:08 for the half, third quarter in 0:34 $\frac{1}{2}$, and the final one in 0:33—2:15 $\frac{1}{2}$. A mighty cheer went up, as few expected such a cutting of the two-year old record. The record of Monbars—2:19 $\frac{1}{2}$ —by Eagle Bird, the former holder of the two-year old stallion record, was reduced just three and three fourths seconds. Arion's action was of the low, folding order, so deceptive to even the most experienced horsemen, and he did not make even one little break. Marvin was six pounds overweight.

Arion is trotting-bred to the backbone, going back five generations on the sire's side before any thoroughbred blood is struck, and as far on the dam's side. His breeding is royal, comprising the much prized blood of Electioneer, Hambletonian (10), Green Mountain Maid, Harry Clay, Nutwood, Belmont, Abdallah (1), Abdallah (15), Pilot, Jr., Hambletonian Chief, and Mambrino Chief. This shows where the trot comes from in his case.

Bell Bird was now brought out. She trotted to the quarter in 0:37 $\frac{1}{2}$, to the half in 1:13 $\frac{1}{2}$ (36 seconds for the second quarter), to the three quarters in 1:50 $\frac{1}{2}$, full mile in 2:27 $\frac{1}{2}$, breaking the yearling record by two seconds. The quarters were therefore made, respectively, in 0:37 $\frac{1}{2}$, 0:36, 0:37, 0:37 $\frac{1}{2}$.

Balkan, the beautiful brown son of Mambrino Wilkes and Fanny Fern (daughter of Jack Hawkins, thoroughbred son of Boston), was next brought out to beat his trotting record of 2:21 $\frac{1}{4}$. Orrin Hickok was behind Balkan, who went to the quarter in 0:34 $\frac{1}{4}$, to the half in 1:07 $\frac{1}{4}$, three quarters in 1:42, the mile without the semblance of a skip in 2:15. It will be observed that Balkan trotted the final quarter in thirty-three seconds—a 2:12 gait. Balkan is six years old.

Following Balkan was the beautiful dark brown horse Electricity, by Electioneer, dam, Midnight (dam of Jay Eye See, 2:10, and Noontide, 2:20 $\frac{1}{4}$), by Pilot, Jr. (12), sire of dams of Maud S, Nutwood, and many other stars of the turf. Electricity's former record was 2:22, made last fall, and he made his mile to-day in 2:17 $\frac{1}{4}$ without much trouble, driven by Marvin.

Guide, dark brown stallion, six years old, by Director, dam, Imogene, by Norwood, and owned by Mr. A. T. Hatch, of Suisun, California, was sent a fast mile. Orrin Hickok was in the sulky, and he set a merry clip, the first half being encompassed in 1:05. He couldn't keep this up, however, but finished the full mile in 2:17 $\frac{1}{4}$, lowering his record two and three quarters seconds. Guide's quarters were 0:33 $\frac{1}{4}$, 0:31 $\frac{1}{4}$, 0:36 $\frac{1}{4}$, 0:36 $\frac{1}{4}$. The horse wound up the season of 1890 with a record of 2:24 $\frac{1}{4}$, and this performance shows that the Directors "train on" in great shape. Guide's second quarter was trotted in 0:31 $\frac{1}{4}$ —a 2:06 gait.

Azmoor, who is by Electioneer, dam, Mamie C, by imp. Hercules (thoroughbred), is a bay, nine years old, and had a record of 2:24 $\frac{1}{4}$. He trotted his mile to-day in 2:20 $\frac{1}{4}$ without much trouble.

Mont Rose, a three-year old bay daughter of Electioneer and Rosemont, by Piedmont, then came out. Rosemont is out of Beautiful Bells, the great brood mare at Palo Alto. Mont Rose, with Marvin as reinsman, trotted her mile in 2:22 $\frac{1}{4}$ —a great performance for a "green" filly. She was matched against Electriana. Mont Rose trotted the first and third heats in the same time—2:22 $\frac{1}{4}$.

Electriana, a three-year old filly, by Richards' Elector, was the next aspirant for fame at the trotting gait, and she made her mile in 2:30, taking the second heat from Mont Rose.

Orrin Hickok then sent Mount Hood, a three-year old brown stallion, by Eros, dam, Alice, by Almont, to make a record, matched against Clarion, and he succeeded in making a mark of 2:26 $\frac{1}{4}$.

Clarion, a four-year old brown filly, by Ansel, dam, Consolation, by Dictator, driven by Marvin, made a record at the trot of 2:25 $\frac{1}{4}$ in the second heat against Mount Hood.

Thornwood, by Hawthorne, succeeded in getting into the "charmed circle" by trotting a mile in 2:29 $\frac{1}{4}$.

Maud, a Stockton trotting mare, belonging to D. J. Spellman, won and made a record of 2:30.

Then Mount Vernon was sent to beat his trotting record of 2:21, and he stepped his mile off in 2:18 $\frac{1}{4}$. This makes another Nutwood in the 2:20 list. The stallion is ten years old and is owned in Stockton by J. A. McCloud.

Tiny, a brown filly, two years old, by Electioneer, dam, Telie, by General Benton, was sent against Richards' Electric, and won in 2:28 $\frac{1}{4}$.

Electric, a three-year old by Richards' Elector, then trotted and won a heat in 2:27 $\frac{1}{4}$.

By Thorne, by Hawthorne, who was matched against Wild Bee, won in 2:28½.

Following is a tabulated statement of the work done, together with the former records of the horses when they had a public record:

| | New Record. | Former Record. |
|--|----------------|-------------------|
| Arion (2), by Electioneer; dam, Manette | 2:15½ | 2:21 |
| Bell Bird (1), by Electioneer; dam, Beautiful Bells | 2:27½ | ----- |
| Balkan (6), by Mambrino Wilkes; dam, Fanny Fern | 2:15 | 2:21½ |
| Electricity (7), by Electioneer; dam, Midnight | 2:17½ | 2:22 |
| Guide (6), by Director; dam, Imogene | 2:17½ | 2:20½ |
| Azmoor (9), by Electioneer; dam, Mamie C | 2:20½ | 2:24½ |
| Mont Rose (3), by Electioneer; dam, Rosemont | 2:22½ | ----- |
| Electriana (2), by Richards' Elector (2170) | 2:30 | ----- |
| Mount Hood (6), by Eros; dam, Alice | 2:26½ | ----- |
| Clarion (4), by Ansel; dam, Consolation | 2:25½ | ----- |
| Thornwood (4), by Hawthorne; dam, March Fourth | 2:29½ | ----- |
| Maud | 2:30 | ----- |
| Mount Vernon (10), by Nutwood; dam, Daisy | 2:18½ | 2:21 |
| Tiny (2), by Electioneer; dam, Telie | 2:28½ | ----- |
| Electrice (3), by Richards' Elector; dam, Sugar Plum | 2:27½ | ----- |
| By Thorne, by Hawthorne | 2:28½ | ----- |

It will be seen by a perusal of the above table that eleven horses got into the 2:30 list in one day, beating the world's record as far as number of entries to the "charmed circle" in a single evening at one track is concerned. In addition to this, six trotters reduced their records considerably.

The Stockton track is just two feet over the mile three feet from the fence, although Surveyor Atherton reported to the National Trotting Association that the course was five thousand two hundred and eighty feet six inches in length.

Three of the get of Hawthorne (L. U. Shippee's stallion) went into the 2:30 list, three Electioneers, two Electors, an Eros, and an Ansel—a great showing for Electioneer's sons and their get, as well as for the son of Nutwood, Hawthorne.

STOCKTON, CAL., October 13, 1891.

Charles Marvin, the famous reinsman, was up before sunrise, looking after his equine charges, in order to get them out on the track betimes for the work of preparation for the coming fray. When the wind sprang up in the forenoon he was the first to note the change in the weather, and he was fearful of the result. Marvin knew that both Sunol and Palo Alto were in great shape for a go against Father Time, but they could hardly compete against Boreas and his fellow gods. The old driver-trainer said before he went up behind Sunol that if the nervous bay mare went in 2:10½ (her former record) she would do wonders, for the westerly wind would be dead against her all the way down the homestretch.

After scoring twice for a warming-up, Marvin nodded for the word, and Sunol went away at a fast gait, Marvin taking the center of the track to guard against any possible trouble should the excitable mare break away. She went very fast to the quarter-mile post in 0:31½, and reached the half in 1:02½. She slowed down a little in the third

quarter, and went to the three-quarter pole in 1:36½. At this point Sandy was in waiting with a runner to accompany Sunol home, and the finish was made in 0:33½, the mare going under the wire without a skip in 2:10, beating her record half a second, but one and one quarter seconds short of the record of Maud S, 2:08½. One of the timers made the mile 2:09½, but the others agreed on 2:10, so the time was officially given at 2:10 flat. When President Shippee announced that Sunol had beaten her record the people cheered vociferously.

L. U. Shippee's Kilrain, by Hawthorne, was driven by Harry Whiting to beat his record of 2:28½, and he lowered it four and three quarters seconds, making the mile in 2:24. His quarters were 0:35½, 1:11, 1:48, 2:24.

Marvin then came out with Palo Alto, the great campaigner. The stallion was started to beat his record of 2:12½. He got away very fast, but the runner coming up close he broke a hundred yards from the start, and Marvin pulled him down to a jog. He went around the track on a jog, and came up for another start. The gallant horse went out again to make a fast mile, and, accompanied by a runner, he went to the quarter post in 0:32½, and to the half in 1:04. He was at the three-quarter post in 1:38, and coming home, with the wind in his face, he went under the wire in 2:12½, half a second slower than his record.

The quarters made by Sunol and Palo Alto were:

| | First. | Second. | Third. | Fourth. | Mile. |
|----------------|--------|---------|--------|---------|-------|
| Sunol..... | 0:31½ | 0:30½ | 0:34½ | 0:33½ | 2:10 |
| Palo Alto..... | 0:32½ | 0:31½ | 0:34 | 0:34½ | 2:12½ |

L. U. Shippee's By Thorne, by Hawthorne, was driven against his record of 2:28½, and made the mile in 2:28½.

Marvin next drove the Palo Alto mare Ladywell, by Electioneer, dam, Lady Lowell, to beat her record of 2:20½. She made her mile beautifully in 2:17 flat. Her quarters were 0:34, 1:06½, 1:42½, 2:17.

Martin Carter's Maud C, by California Nutwood, trotted against her record of 2:22, and made the mile in 2:23. Her quarters were 0:34½, 1:08, 1:47½, 2:23.

Colonel Ayres' Balkan, by Mambrino Wilkes, was driven by Hickok against a record of 2:15. Balkan made the mile in 2:20. The quarters were 0:35½, 1:07½, 1:45, 2:20.

W. R. Overholzer, of Petaluma, drove his horse Oaknut, by Dawn, against a record of 2:25½, and made the mile in 2:24½.

Hickok drove Fred. Talbot's Mount Hood against his record of 2:26½, and made the mile in 2:27.

Dan McCarty's Pleasanton, by Richards' Elector, and E. K. Alsip's Birdie, by Sidney, were matched in a race, both without records. Birdie won the first heat in 2:28. Pleasanton took the second heat in 2:35½, and the third in 2:32½.

The next was a match between the Palo Alto two-year old filly Bellflower, by Electioneer, and Shippee's three-year old pacer Captain Thorne, by Hawthorne, with a record of 2:34½. Bellflower broke on the first send-off, and the Captain took the heat in 2:24. The filly won the second heat against a stiff wind in 2:25, and the third in 2:24½, and can go close to 2:20, sure, on a fair day.

The next event was a race between Richards' Ella M, a three-year old, by Elector (2170), and Judge Green's Sidená, by Sidney. Ella took the first heat in 2:28 $\frac{1}{4}$, and Sidená won the second in 2:32, and the third in 2:31 $\frac{1}{4}$.

Following is a tabulated statement of the work done, together with former records of the animals:

| | New Record. | Former Record. |
|---|--------------------|--------------------|
| Sunol (3), by Electioneer; dam, Waxana..... | 2:10 | 2:10 $\frac{1}{4}$ |
| Kilrain (5), by Hawthorne; dam, March Fourth..... | 2:24 | 2:28 $\frac{1}{4}$ |
| Palo Alto* (9), by Electioneer; dam, Dame Winnie..... | 2:12 $\frac{3}{4}$ | 2:12 $\frac{1}{4}$ |
| By Thorne,* by Hawthorne..... | 2:28 $\frac{1}{4}$ | 2:28 $\frac{1}{4}$ |
| Ladywell (5), by Electioneer; dam, Lady Lowell..... | 2:17 | 2:20 $\frac{1}{4}$ |
| Maud C,* by California Nutwood; dam, Zola..... | 2:23 | 2:22 |
| Balkan* (6), by Mambrino Wilkes; dam, Fanny Fern..... | 2:20 | 2:15 |
| Oaknut, by Dawn..... | 2:24 $\frac{1}{4}$ | 2:25 $\frac{3}{4}$ |
| Mount Hood* (6), by Eros; dam, Alice..... | 2:27 | 2:26 $\frac{1}{4}$ |
| Pleasanton, by Richards' Elector..... | 2:32 $\frac{3}{4}$ | ----- |
| Bellflower (2), by Electioneer; dam, Beautiful Bells..... | 2:24 $\frac{1}{4}$ | ----- |
| Ella M (3), by Richards' Elector..... | 2:28 $\frac{3}{4}$ | ----- |
| Sidená (2), by Sidney..... | 2:31 $\frac{1}{4}$ | 2:33 $\frac{1}{4}$ |
| Norhawk (3), by Norval; dam, by Sontag Mohawk..... | 2:27 $\frac{1}{4}$ | ----- |
| Dexter Princess, by Dexter Prince..... | 2:46 | ----- |
| Captain Thorne (3), by Hawthorne; dam, June Second..... | 2:24 $\frac{1}{4}$ | 2:34 $\frac{1}{4}$ |

* Failed to reduce their records.

From the above table it will be seen that five horses entered "the list," and four (Sunol, Ladywell, Kilrain, and Oaknut) reduced their former records. Two newcomers to the 2:30 list were by Richards' Elector, making eight sired by this horse to enter the "charmed circle," seven of them this season and four in seven days; and the oldest one of these seven is four years of age—a grand lot of grandsons and granddaughters of Electioneer, truly. Bellflower, two years, makes another Electioneer in the list—the eighty-fourth trotter sired by that monarch of the stud up to date. Therefore, of the five new 2:30 performers at Stockton, two are by Richards' Elector, one by Electioneer, one by Norval, and one by Hawthorne.

STOCKTON, CAL., October 20, 1891.

There was "considerable of a wind" fleeting over San Joaquin Valley this forenoon, and Marvin watched the big windmill's wheel as it spun around at a lively rate in the morning with a sad look on his grizzled countenance. And he kept his eye on that "contrary" old wheel, too, for several hours. To President L. U. Shippee, Marvin said, about 1 o'clock in the afternoon: "When that mill stops running I'll start the mare." This remark was overheard, and it wasn't very long before a very respectable crowd had eyes for that wheel, too. Several fleet trotters were sent to break their records, breasted the winds bravely, and accomplished their object. By and by Boreas and his fellow gods got tired, their blasts got fainter and fainter, and finally died away altogether. Sunol flashed before the gaze of the mammoth crowd assembled in the shape of a surprise, for she was unannounced. The big bay mare was recognized, however, as she swung around into the track, and a mighty shout went up. Marvin was behind the California Queen.

He shouted to the judges that he would warm Sunol up a bit and start her if possible. The fact was, the old driver was going to keep his word with President Shippee about starting by "the wheel." The wheel stopped. It was 5 o'clock.

Two heats were required before the mare was warmed up sufficiently, and by this time the wheel of the windmill was silent. Sunol was brought out in about five minutes. Marvin turned her into the loop and came for the word. The veteran nodded, and "Go!" came from the judges' stand. The mare went on her journey up the long stretch like a perfect piece of machinery, and with a stride that meant death to the hopes of the old man with the scythe. The watches snapped at 0:31½ for the first quarter. "Too fast for a starter," said many old timers who had flocked together. To the next quarter went the great bay daughter of Electioneer with the same frictionless stride. The watches marked 1:04—0:32½ for this quarter. Here a runner in harness awaited the approach of Sunol. Leech-like he stuck at the wheel of the queen's sulky, and they were on the worst end of the road to fame and glory. The three quarters was reached without the semblance of a skip in 1:37, and things began to look bad for Father Time and bright for Mr. Bonner's mare. Not a few in the crowd commenced to get excited and fidgety. In the final eighth Marvin began to swish his whip over the head and back of the flying Sunol, not touching her, however, and she came on, moving as steadily as the pendulum of a fine clock. Marvin was as pale as a ghost, but he looked Old Determination himself. O'Brien, who was driving the runner, was shouting encouraging words every second of the last quarter of the mile, and Sunol passed under the wire at a grand clip and without any signs of weakness. One hundred watches caught her at 2:08½. Shouts of joy shook the grand stand, and a great mass of humanity poured upon the track. The breeze started up afresh, but Maud S was dethroned, and California was to the fore. So dense was the crowd around the great mare that it was difficult for her to step. They followed her clear to the Stanford stables, about one hundred yards from the track, and surrounded her while the happy grooms were stripping her for the stall. The time by quarters is as follows: 0:31½, 0:32½, 0:33, 0:31½, 2:08½.

Sunol's pedigree is so well known that it is hardly necessary to give it in extenso, therefore suffice it to say that she is by Electioneer, dam, Waxana, by General Benton; second dam, Waxy, by Lexington. The queen was five years old on April 14, 1891.

Marvin thinks the mare has not reached the limit of her speed, and again this season, when there is a good day and a good track, she will be sent to break her present record. The timing was almost as remarkable as the time. Six official watches were held on her by F. H. Burke, James Thompson, George Sperry, A. T. Olney, John Boggs, and Nathan Nevins. The six timed the quarter, half, three quarters, and mile in precisely the same notch; not a fifth of a second divided them.

Other good horses trotted fast miles to-day, some of them great miles, as follows:

Advertiser, three years old, a brown colt by Electioneer, dam, Lulu Wilkes, by George Wilkes, to beat a record of 2:22½. First quarter, 0:34; second, 1:05½; third, 1:40½; mile, 2:16.

Ladywell, black mare by Electioneer, dam, Lady Lowell, by Schultz's

St. Clair, to beat 2:17. First quarter, 0:34½; second, 1:06½; third, 1:42½; mile, 2:16½.

Guide, brown horse by Director, dam, Imogene, by Norwood, to beat 2:17½. First quarter, 0:34; second, 1:09; third, 1:43½; mile, 2:16½.

Mount Vernon, bay horse by Nutwood, dam, Susie, by McClellan, to beat 2:18½. First quarter, 0:34; second, 1:08½; third, 1:43½; mile, 2:18.

Lida W, chestnut mare (pacer), by Nutwood, to beat 2:26. Two heats, 2:24½, 2:18½.

Nutwood Wilkes, chestnut horse, three years old, by Guy Wilkes, dam, by Nutwood, to beat 2:27½. Two heats, 2:20, 2:20½.

Captain Thorne (pacer), bay horse, three years old, by Hawthorne, to beat 2:24½. First quarter, 0:34½; second, 1:09½; third, 1:44½; mile, 2:19½.

Mount Hood, bay horse, by Eros, dam Alice, to beat 2:26½. Trotted in 2:22½.

Kilrain, bay horse, by Hawthorne, dam, March Fourth, to beat 2:24. Trottred in 2:22½.

Thornwood, chestnut gelding, three years old, by Hawthorne, to beat 2:29½. Two heats, 2:28, 2:27½.

Del Win (pacer), bay horse by Del Sur, out of Guide's dam, in a race, 2:27½.

Hazel, bay mare, by Clay, in a race, 2:28.

Dexter Princess, bay mare, by Dexter Prince, in a race, 2:25½.

Sidena, bay filly, by Sidney, in a race, 2:30.

Following is a recapitulation of the performances of the horses over Stockton track on Tuesday:

| | New Record. | Former Record. |
|--|-------------|----------------|
| Sunol (5), by Electioneer; dam, Waxana | 2:06½ | 2:10 |
| Advertiser (8), by Electioneer; dam, Lulu Wilkes | 2:16 | 2:22½ |
| Kilrain (5), by Hawthorne; dam, March Fourth | 2:22½ | 2:24 |
| Mount Hood, by Eros; dam, Alice | 2:22½ | 2:26½ |
| Birdie,* by Sidney | | 2:28 |
| Captain Thorne (3), by Hawthorne; dam, June Second | 2:19½ | 2:24½ |
| Dexter Princess, by Dexter Prince | 2:28½ | 2:46 |
| Guide (6), by Director; dam, Imogene | 2:16½ | 2:17½ |
| Pleasanton,* by Richards' Elector | | 2:25½ |
| Ladywell (5), by Electioneer; dam, Lady Lowell | 2:16½ | 2:17 |
| Lida W, by Nutwood | 2:18½ | 2:26 |
| Del Win (6), by Del Sur; dam, Imogene | 2:27½ | ----- |
| Sacramento Girl, by Alcazar | 2:31½ | ----- |
| Nutwood Wilkes (3), by Guy Wilkes; dam, Lida W | 2:20½ | 2:29 |
| Mount Vernon (10), by Nutwood; dam, Daisy | 2:18 | 2:18½ |
| Thornwood (4), by Hawthorne; dam, March Fourth | 2:27½ | 2:29½ |
| Hazel, by Clay | 2:28 | ----- |
| Daylight, by Eros; dam, Crazy | 2:30½ | 2:36 |
| Sidena, by Sidney | 2:29 | 2:31½ |
| Novelist, by Norval | 2:31½ | ----- |
| Lily Dale | 2:30½ | ----- |

* Failed to reduce record.

STOCKTON, October 21, 1891.

Great were the performances over the new kite-shaped track yesterday. Taken as a whole, this day's trotting eclipsed anything ever seen on any track in the world. Two world's records were smashed into smithereens—the yearling and two-year old—while Palo Alto cut his

mark a full second. Half a dozen others slashed large slices off their former excellent records.

Orrin Hickok, than whom there is hardly a better judge of a horse on the face of the globe, said, after the two-year old wonder, Arion, had stepped off his mile in 2:14½, lowering his record one and one fourth seconds: "Arion is the best horse that ever stood on iron, and I'd rather own him than any trotter ever foaled."

Mr. Hickok echoed the sentiments of most of the assembled horsemen when he made this remark, but it is really hard to say which is the most wonderful—Bell Bird's 2:26½, Arion's 2:14½, or Sunol's 2:08½. Any one of them is enough to drive the average Kentuckian mad with envy. Probably the snatching of Maud S's laurels pained the proud inhabitants of the effete East most of all.

This day was an improvement over yesterday in every respect. Not a breath of air bothered the ambitious horses and horsemen, and it is rumored that the officials of the Stockton Association had a conference late last night with the Clerk of the Weather, and "fixed" the case.

It was just 1 o'clock when the judges and timers took their respective positions in the stand. Out came the champion yearling, Bell Bird, brown daughter of Electioneer and Beautiful Bells, the famous reinsman, Marvin, in the sulky, bent 'on sending her for a mark that youngsters could shoot at for a long time and miss. The filly was scored once, and then the runner (in harness) was brought alongside and the "word" nodded for. Bell Bird had only gone a few yards when she went into the air and tangled up some for about an eighth of a mile. At length she settled down to her queenly stride, and as she went the quarter in 34 seconds, the break could not have cost her so very dearly. To the next quarter she went like a beautiful, frictionless piece of machinery, and the watches snapped "1:14." The chances for breaking the world's record, 2:27½, looked promising in the extreme—if she kept at her work and did not break. The three-quarter pole was reached in 1:51—37 seconds for the third quarter. She would have to get a faster "move on her" if the record was to be broken. But the filly was equal to the demands of Marvin, and came down the final quarter like an old and game campaigner, without a skip or bobble, in 35½ seconds—a 2:22 gait—making the full mile in 2:26½, a cut of 1½ seconds from her former record, and a reduction of Freedom's record by ¾ seconds, which stood for not quite one year. The fastest time ever made by an Eastern yearling was the 2:35½ of Sudie D, made in 1887. Therefore, we are just 9½ seconds ahead of our brethren on the other side of the Rockies. The time by quarters is as follows: 0:37½, 0:36½, 0:37, 0:35½.

Arion, the compact bay two-year old champion, next came out to see if he couldn't slash a little chunk off his already wonderful record—2:15½. Marvin must be something of a prophet, for he sagely observed to a friend, as he was warming Arion up: "I'll set a two-year old mark to-day that they will look at a long time." He is a man whose word can be depended on to a certainty.

The colt was going at a great rate when "go" sounded from the judges' stand, but Marvin was not willing to let the youngster kill his chances in the first quarter, so he took an extra wrap. Arion went to the quarter in 0:34½—an '18 gait. The next one was considerably faster—0:32½, a '10 clip, or 1:07 for the half; "1:41½" was what the snapshot watch holders remarked when the colt's nose was seen even with

the three-quarter mark. He came the last quarter with the same low, deceptive stride that he is noted for—the folding action, as horsemen term it—finishing the full mile in 2:14½, 33¼ seconds for the last quarter. The time by quarters is as follows: 0:34½, 0:32½, 0:34½, 0:33½.

Wonderful as this looks, a large majority of the horsemen who saw the work express themselves as believing firmly that Arion can even set a lower two-year old mark. One veteran remarked: "If there is ever a mile trotted in two minutes, Arion will be the one that will do it. Think of a two-year old going a quarter at a 2:10 clip."

On the heels of Arion's grand showing came Palo Alto, the famous stallion, to wage war against Father Time, and to give his own record (2:12½) a heavy thump besides, if possible. As he appeared before the audience not one in ten thought the horse would be able to accomplish the task set for him by Marvin. The horse was lame, had limped in his work, and was nodding when Marvin signaled for the word. His remarkable gameness, however, made him eager for the fray, and the limp was soon but a memory. He went from wire to wire without a skip, skive, or wobble, finishing in 2:11½—a cut of one second from his mark made nearly two years ago at Napa. The time by quarters is as follows: 0:33½, 0:32½, 0:33½, 0:32.

Following Palo Alto's performance came some more fast work, as follows:

Frank Burke's Daylight, by Eros, went against Norris, by Ansel. Norris won the first heat in 2:22½, and the third in 2:29½. Daylight won the second, and got a record of 2:30.

Shippee's By Thorne, by Hawthorne, went against 2:28½, and made a record of 2:25.

Valensin's Sid Fleet, a two-year old, by Sidney, made a record of 2:26½ in a match race.

Worth Ober's Ross S, by Nutwood, went against 2:26, and made a record of 2:25½.

The Palo Alto mare Norhawk, by Norval, three-year old, who made a record here a week ago of 2:27½, was driven to-day by Marvin in 2:20½. Her quarters were 0:35½, 1:11, 1:45½, 2:20½.

Martin Carter's Annie C, a pacer, by California Nutwood, went against her record of 2:27½, and made a mile, with two bad breaks, in 2:25.

Menlo Fallis, by Fallis, was driven by Marvin to make a record, and got a mark of 2:27½.

Frou Frou, a yearling, by Sidney, made a record of 2:41.

The following is a summary of the performances for the day:

| | New Record. | Former Record. |
|--|-------------|----------------|
| Bell Bird (1), by Electioneer; dam, Beautiful Bells..... | 2:28½ | 2:27½ |
| Arion (2), by Electioneer; dam, Manette..... | 2:14½ | 2:15½ |
| Palo Alto (9), by Electioneer; dam, Dame Winnie..... | 2:11½ | 2:12½ |
| Daylight, by Eros; dam, Crazy..... | 2:30 | 2:30½ |
| Norris, (4), by Ansel; dam, Norma..... | 2:22½ | ----- |
| By Thorne, by Hawthorne..... | 2:25 | 2:28½ |
| Sid Fleet (2), by Sidney..... | 2:26½ | ----- |
| Ross S, by Nutwood; dam, by State of Maine..... | 2:25½ | 2:26 |
| Norhawk (3), by Norval; dam, by Sontag Mohawk..... | 2:20½ | 2:27½ |
| Annie C, by California Nutwood..... | 2:25 | 2:27½ |
| Menlo Fallis, by Fallis..... | 2:27½ | ----- |
| Frou Frou (1), by Sidney..... | 2:41 | ----- |

STOCKTON, October 27, 1891.

The event of the day was the trotting of Palo Alto.

Palo Alto was warmed up by Charles Marvin, and the courageous way he moved, and the manner in which he pulled, convinced every one that he was "out for victory." After he had jogged around three times, the familiar gray cap that has been identified as belonging to the "marvel of the trotting turf" was seen to nod, and every judge and timer watched the rich blood-bay stallion go under the wire. Palo Alto reached the quarter in thirty-two seconds, and was moving steadily. Marvin seemed to have all he could do to keep the nine-year old from pulling his arms out as he came to the half in 1:03½, making but one skip when nearing the post. Down the straight toward the wire he came as strongly as ever, Marvin moving the whip through the air, but never hitting the sensible fellow, and came under the wire in 2:10 flat, thus equaling the time made by Nelson, the king of the far Eastern stallions, and crowning himself king of the stallions of the far West. The quarters were: 0:32, 0:31½, 0:33, 0:33½.

After Palo Alto's performance records were made as follows:

Valensin's Sid Fleet, two years old, by Sidney, went against 2:26½, but broke and jogged around in 2:47.

Shippee's By Thorne, by Hawthorne, reduced his mark (2:25) to 2:23½.

Judge Green's Siden, a two-year old, by Sidney, went down from 2:29 to 2:28½.

Palo Alto's Novelist, a two-year old, by Norval, in a match against Coffin's Boodle, by Stranger, won two heats in 2:27 and 2:29¾. Boodle made a record of 2:27¾.

A. T. Hatch's Guide, by Director, was driven by Hickok, and equaled his record of 2:16½.

Martin Carter's Maud C, by California Nutwood, equaled her record of 2:19½.

E. K. Alsip's Birdie, by Sidney, lowered her mark (2:28) to 2:24.

Thomas Smith's Maud, by McDonald Chief, got a record of 2:29¾.

Captain J. Hayes' stallion Strathway, by Steinway, went against 2:20, and made the mile in 2:21¾.

Shippee's Kilrain, by Hawthorne, went against 2:22¾, and made the mile in 2:24½.

Palo Alto's Emma R and J. Kermer's Lightfoot were matched, but did not get in the 2:30 list. Lightfoot got one heat in 2:27¾, but the time was not allowed, because he ran.

Carter's Annie C, pacer, by Old Nutwood, went against 2:25, but got 2:27¾.

Dr. Latham's Dexter Princess trotted in 2:29 and 2:32½.

Frou Frou, a yearling by Sidney, and owned by Valensin, was driven by Millard Sanders against her record of 2:41, and made the mile in 2:35½.

Hogoboom's Sacramento Girl, by Alcazar, made the mile in 2:32.

Carmichael's Prince, by Fremont, paced against 2:29, and made a record of 2:25½.

Redwood, by Anteeo, went against 2:21, and trotted in 2:23.

Sam Gamble's Del Win, by Del Sur, went against 2:27¾, and made 2:26¾.

W. S. Hobart's famous stallion Stamboul has been ordered home, and

will not go against his record this year. He trotted in 2:13½ Saturday, but it was thought best to save him for the next season, as he has not been feeling just right.

Following is a recapitulation of the work done to-day:

| | New Record. | Former Record. |
|---|-------------|----------------|
| Palo Alto (9), by Electioneer; dam, Dame Winnie | 2:10 | 2:11½ |
| Sid Fleet* (2), by Sidney | 2:47 | 2:28½ |
| By Thorne, by Hawthorne | 2:28½ | 2:25 |
| Sidena (2), by Sidney | 2:28½ | 2:29 |
| Novelist (2), by Norval; dam, Elsie, by Gen. Benton | 2:27 | 2:31½ |
| Boodle, by Stranger; dam, Fida | 2:27½ | 2:31 |
| Guidet (6), by Director; dam, Imogene | 2:16½ | 2:16½ |
| Maud C,† by California Nutwood; dam, Zola | 2:19½ | 2:19½ |
| Birdie, by Sidney | 2:24 | 2:28 |
| Maud, by McDonald Chief | 2:29½ | 2:30 |
| Strathway* (6), by Steinway; dam, Countess | 2:21½ | 2:20 |
| Kilrain* (6), by Hawthorne; dam, March Fourth | 2:24½ | 2:22½ |
| Emma R (4), by Electioneer; dam, Emma Robson | | |
| Lightfoot, by Bob Mason | | |
| Dexter Princess,* by Dexter Prince | 2:29 | 2:28½ |
| Frou Frou (1), by Sidney | 2:35½ | 2:41 |
| Sacramento Girl,* by Alcazar | 2:40 | 2:31½ |
| Redwood* (6), by Anteeo; dam, Lou Milton | 2:23 | 2:21 |
| Del Win (6), by Del Sur; dam, Imogene | 2:26½ | 2:27½ |

* Failed to lower their records. † Equalled their records.

STOCKTON, CAL., October 31, 1891.

Frou Frou (sister to J. P. Kerr's Memo), a handsome little sorrel yearling, by Sidney, brought honors to the Valensin Stable yesterday, and made Millard Sanders feel pleased with his careful work in handling the youngster. Sanders drove Frou Frou a mile in 2:41 a week ago last Wednesday, and on Tuesday last he gave her a record of 2:35½. To-day the filly trotted a mile in 2:31½, lowering her record four seconds, and placing herself third among the yearlings, as she beat Norlaine's record of 2:31½, made in 1887. Freedom is second in the list at 2:29½, and Bell Bird holds the world's record at 2:26½, though some of the papers have the mark at 2:26½. The official time is 2:26½.

Dexter Princess, owned by Dr. Latham, was driven by Marvin against her record of 2:28½, and made the mile in 2:28.

Albina, by Algona, won the postponed race with Shippee's Lady Pet in 2:37½.

Kaffir, by Alcazar, was driven by A. S. Olney against Linnet, driven by Marvin. Linnet won the first heat in 2:40½, and Kaffir took the second in 2:38½, and the third in 2:36.

Sacramento Girl, by Alcazar, owned by H. S. Hogoboom, was matched against Emma R, three years old, by Electioneer. Emma took the first heat in 2:32½ and the third in 2:28½. Marvin drove Sacramento Girl, as her owner had failed to get her in the list after several trials, and he was a happy man when the mark was made at 2:30 in the second heat.

Cecilian, a two-year old colt, by Electioneer, was matched against A. Hayward's Vernon, by May Boy. Marvin drove Cecilian in 2:23½ and 2:26½, and Goldsmith gave Vernon a record of 2:30 in the second heat.

Strathway, by Steinway, was driven by George Bayless against his

record of 2:20, but the stallion was not feeling right. He made his first mile in 2:29 $\frac{1}{4}$, a second mile in 2:22, and in a third attempt made the distance in 2:24 $\frac{1}{4}$.

T. J. Carmichael's pacer Prince, by Fremont, was driven by Petsinger against a record of 2:25 $\frac{1}{2}$, and reduced his mark to 2:23 $\frac{1}{4}$.

Birdie, by Sidney, was driven by Millard Sanders against 2:24, and made her first mile in 2:24 $\frac{1}{4}$, and a second mile in 2:25 $\frac{1}{4}$.

James Madison, the seven-year old stallion by Anteeo, and owned by Colonel Thornton, was driven by Hickok against his record of 2:18 $\frac{1}{4}$. He made the mile in 2:19 $\frac{1}{4}$. His quarters were: 0:35 $\frac{1}{2}$, 1:10 $\frac{1}{2}$, 1:45 $\frac{1}{2}$, 2:19 $\frac{1}{4}$.

Goldsmith drove Corbett's Macleay, a two-year old by Sable Wilkes, to beat his record of 2:26 $\frac{1}{2}$, and made the mile in 2:22 $\frac{1}{4}$. The quarters were: 0:35, 1:09 $\frac{1}{2}$, 1:46 $\frac{1}{4}$, 2:22 $\frac{1}{4}$. It was a fast mile for a two-year old, and Goldsmith is satisfied that the track is fast.

Simmons drove Carter's Maud C, by California Nutwood, against her record of 2:19 $\frac{1}{2}$, and equaled the mark in the first attempt. On a second trial the mare went to the half in 1:09 and to the three quarters in 1:43 $\frac{1}{2}$, but made a break in the last quarter. The mile was made in 2:19, lowering the mark half a second.

Goldsmith drove the three-year old filly Vida Wilkes, by Guy Wilkes, to beat her record of 2:22 $\frac{1}{4}$, and lowered the mark to 2:18 $\frac{1}{4}$. The quarters were 0:34 $\frac{1}{2}$, 1:09, 1:44 $\frac{1}{4}$, 2:18 $\frac{1}{4}$.

Marvin drove Linnet, by Electioneer, in 2:29 $\frac{1}{4}$ in a race with Actor, by Prompter.

Helena, a two-year old filly, by Electioneer, was driven by Marvin in 2:29 $\frac{1}{2}$ against Bell Thorne, by Whippleton. The filly made the first quarter in 0:49, the half in 1:16, and the three quarters in 1:53, trotting a fast finish for a green two-year old.

The following is a summary of the day's performances:

| | New Record. | Former Record. |
|--|--------------------|--------------------|
| Dexter Princess, by Dexter Prince..... | 2:28 | 2:28 $\frac{1}{2}$ |
| Sacramento Girl, by Alcazar..... | 2:30 | |
| Kaffir, by Alcazar..... | 2:36 | |
| Linnet..... | 2:40 $\frac{1}{2}$ | |
| Emma R (3), by Electioneer; dam, Emma Robson..... | 2:28 $\frac{1}{2}$ | |
| Albina, by Algona..... | 2:37 $\frac{1}{2}$ | |
| Cecilian (2), by Electioneer; dam, Cecil, by General Benton..... | 2:23 $\frac{1}{2}$ | |
| Vernon, by May Boy..... | 2:30 | |
| Strathway,* by Steinway; dam, Countess..... | | 2:20 |
| Prince, by Fremont..... | 2:23 $\frac{1}{4}$ | 2:25 $\frac{1}{2}$ |
| James Madison,* by Anteeo; dam, Lucy Patchen..... | | 2:18 $\frac{1}{2}$ |
| Macleay, by Sable Wilkes; dam, Mamie Comet..... | 2:22 $\frac{1}{4}$ | 2:26 $\frac{1}{2}$ |
| Maud C, by California Nutwood..... | 2:19 | 2:19 $\frac{1}{2}$ |
| Vida Wilkes, by Guy Wilkes..... | 2:18 $\frac{1}{4}$ | 2:22 $\frac{1}{4}$ |
| Helena, by Electioneer; dam, Lady Ellen, by Carr's Mambrino..... | 2:29 $\frac{1}{2}$ | |

*Failed to reduce record.

STOCKTON, CAL., November 3, 1891.

The fact that winter is almost here is demonstrated by the increasing humidity of the atmosphere, as shown by the recent frosts and the fogs that have come up just at sunrise the past few mornings. There cannot be many more record meetings, possibly not more than two or

three, before the kite-shaped track will be converted into a stretch of mud. It may be set down, therefore, that the great events of the season are practically over. Palo Alto was down on the list for to-day's programme, but it is not likely that either he, Sunol, or Arion will trot again this season unless the foreboding signs of winter should prove delusive, and hot, dry weather supervene. Stamboul has departed, and it is said that Sunol is not now in condition to trot, and could hardly be got ready in two or three weeks.

The morning opened cold and clear, but soon a fog came up which lasted a couple of hours. When it lifted the sun shone out bright and warm, and as there was but a slight breeze stirring, the promise of a fine afternoon was good. The light rains had packed the track, and the care bestowed upon it by those in charge made it almost perfect. There was not a large crowd present, considering the programme presented. The performance of Palo Alto, who came to this place with a record of 2:12½, in lowering that mark to 2:09½ is something marvelous. In the opinion of all horsemen who have seen this game stallion trot, there is no doubt of his ability to make Allerton's record a thing of the past just as soon as he is ready for the trial. The others that appeared on the track showed that they are as hard as nails and lowered their records. The old gray pacer, Lucy, that went through the circuit over ten years ago in company with Rowdy Boy, Sorrel Dan, Sleepy Tom, Mattie Hunter, and Bay Billy, since she was bred to Electioneer shows, by her beautiful bay three-year old filly, Lucyneer, that her name or fame will not die. This youngster trotted without a skip in her race against Richards' Elector, Jr., and won both heats and the race in 2:28½ and 2:27.

The main events down on the speed programme were the starting of Palo Alto to beat his record of 2:10, Nelson's time, and second only to Allerton's; and Bell Bird, the yearling world-beater, whose record is 2:26½. The only new horse of any note down on the programme was Dan McCarty's Cupid, whose record is 2:21.

The speeding began at 1:30 o'clock this afternoon. The first event down for the day was the trotting of Bell Bird, the Palo Alto yearling filly, to beat her record of 2:26½. Bell Bird was acting ugly. She could not be kept on her trotting legs with all Marvin's skill. After speeding her to the quarter in 0:38½, and the half in 1:20, he pulled up, and jogged around.

Millard Sanders then drove the yearling chestnut filly, Frou Frou, by Sidney, from the Valensin Stables. The filly made the first quarter in 0:39½, the half in 1:17½, the three-quarter pole in 1:55, and the mile in 2:31½, just equaling her record.

The magnificent Palo Alto then came out to lower his record of 2:10. The stallion appeared to be unruly. Marvin scored a dozen times, taking the inside of the track, but Palo Alto dug his toes in and lost his feet. At last the great trotter got away. He did not seem to be going steadily, but all the same he made the first quarter in 0:32½. On the first half of the turn he trotted in great style, and made the half in 1:04. He reached the three-quarter pole in 1:36½. Down the home-stretch the stallion came speedily on, and his pace showed that the world's greatest stallion record was, up to this point, broken. Every eye was fixed anxiously on Palo Alto, when suddenly he lost his legs, but Marvin caught him quickly, and hope rose once more. He

trotted stoutly on and on, and just as the timers thought Allerton's time was surely lowered by a quarter of a second, Palo Alto broke. It was too near the wire to regain the time lost. The only thing that could be done was to send him under the wire trotting, and this Marvin did.

When the time card went up to the judges, Shippee made the following announcement: "Palo Alto has made the mile in 2:09½, lowering his record half a second. He is within a quarter of a second of the world's stallion record."

Hickok drove Cœur d'Alene, an Oregon horse, in 2:21½. His former record was 2:25.

Vernon, 2:30, was driven around by Goldsmith in 2:26½.

Marvin then trotted Mont Rose around in 2:18. Mont Rose is a three-year old, belonging to the Palo Alto Stables. The former time was 2:22½.

Dexter Princess, 2:28, was started by Marvin to beat her record. She did it, making the mile in 2:26½. Dexter Princess belongs to Dr. Latham.

Shippee's By Thorne, 2:25, was driven by Whiting to lower his record. He failed, going around in 2:27.

Hickok drove Guide to beat 2:16½. The horse came in under the whip in 2:16½.

Matt Dwyer and A. S. Olney then appeared on the track with two new horses, Dot and Wilkesdale, owned, respectively, by S. N. Straube and F. P. Lowell. Dot is a bay filly, by Apex, and Wilkesdale a brown horse, by Alcantara. They went for records. Dot won, but failed to get a record, going in 2:31½.

Bell Thorne, by Whippleton, owned and driven by Thomas Smith, trotted a match race with Helena, a two-year old bay filly, by Electioneer, of the Palo Alto Stables, driven by Marvin; Bell Thorne won in 2:36½.

Cyrus R, 2:26, by Nutwood, owned and driven by T. W. Barstow, trotted in 2:19½.

Goldsmith drove Beaumont, 2:25½, in 2:23½.

Hailstorm, by Anteeo, Jr., owned by J. C. Smith, and driven by Marvin, trotted a match race with Stepaway, by Conductor, owned and driven by J. E. Durham. Stepaway won in 2:31½ and 2:29½—first and third heats.

The following is a summary of the day's performances:

| | New Record. | Former Record. |
|---|----------------|-------------------|
| Bell Bird* (1), by Electioneer; dam, Beautiful Bells..... | ----- | 2:26½ |
| Frou Frou* (1), by Sidney; dam, Flirt | ----- | 2:31½ |
| Palo Alto (9), by Electioneer; dam, Dame Winnie | 2:09½ | 2:10 |
| Cœur d'Alene | 2:21½ | 2:25 |
| Vernon, by May Boy | 2:26½ | 2:30 |
| Mont Rose (3), by Electioneer; dam, Rosemont | 2:18 | 2:22½ |
| Dexter Princess | 2:26½ | 2:28 |
| By Thorne* | ----- | 2:25½ |
| Guide, by Director; dam, Imogene | 2:16½ | 2:16½ |
| Dot, by Apex | 2:31 | 2:36½ |
| Bell Thorne, by Whippleton | 2:36½ | 2:32 |
| Cyrus R, by Nutwood | 2:19½ | 2:23 |
| Beaumont, by Le Grande | 2:23½ | 2:25½ |
| Stepaway, by Conductor | 2:29½ | ----- |

* Failed to lower their records.

STOCKTON, CAL., November 10, 1891.

"Will sensations ever end?" Very few of those who started from Oakland, San José, Sacramento, Fresno, Santa Rosa, and San Francisco dreamed of the treat that was in store for them to-day. The train that arrived at 1 o'clock was nearly emptied by the lovers of the trotting horse, who were met at the cars by carriages in waiting and conveyed to the kite-shaped track. Along the road vehicles of every description were seen moving toward the battlefield, where Father Time has been so often knocked out by aspirants for equine fame.

At 1:30 P. M. President Shippee grasped the bell rope, and J. Thompson, one of the best timers in this State, was alongside of David Young and C. Foster, his companions, in an instant, ready to catch Palo Alto, who was preparing in the loop to score. After two trials, Marvin, behind the handsome horse, nodded, and away he started. It was noticed that the stallion was not quite so full of life as when he trotted last week. He moved away like a neat piece of machinery, and reached the quarter in $31\frac{1}{2}$ seconds. Sandy kept three lengths behind him with the runner up to this point, but down to the half he came closer. Palo Alto never skipped as he passed the half in $1:03\frac{1}{4}$. The second half of the big loop was passed in $33\frac{1}{4}$ seconds, which brought him to the three-quarter pole in $1:36\frac{1}{2}$. He had hardly passed it when he made two breaks, which destroyed his chances of lowering his record at this trial. However, he came under the wire in $2:10\frac{1}{4}$. Mr. Marvin said if the wind died away a little he would give him another trial.

The Director stallion, Guide, $2:16\frac{1}{4}$, out of Imogene, by Norwood, started to beat his record. The quarters were $0:33\frac{1}{4}$, $1:06\frac{1}{4}$, $1:41\frac{1}{4}$, $2:17$.

Bell Bird, $2:26\frac{1}{4}$, was brought out, and felt more like flying than trotting, as she has not been just "on edge," so Mr. Marvin drove the wonder back to her stall.

The fine-looking stallion, Cyrus R, started against his record of $2:20\frac{3}{4}$, and succeeded in lowering it to $2:19\frac{1}{4}$.

Strathway, $2:20$, by Steinway, could not do better than $2:21\frac{1}{4}$.

Col. H. I. Thornton's big, strong-moving Anteeo stallion, James Madison, $2:18\frac{1}{2}$, went without a skip to the first quarter in $0:34\frac{1}{4}$, the half in $1:07$, the three quarters in $1:42\frac{1}{2}$, and under the wire in $2:17\frac{1}{4}$.

Cœur d'Alene, a very good-looking son of Dexter Bradford and Belle H, trotted against his record of $2:21\frac{1}{4}$, and lowered it to $2:19\frac{1}{4}$.

Cecilian, a bay colt by Electioneer out of Cecil, by General Benton, lowered his record of $2:23\frac{1}{4}$ to $2:22$.

Ross S, a son of Nutwood, driven by Worth Ober, succeeded in getting a mark of $2:21\frac{1}{4}$.

Dan McCarty next caught the eyes of the judges as he sailed around behind Cupid, $2:19$. He was no Venus, but he could make the little son of Sidney fly. He drove around in $2:21\frac{1}{4}$. The first half of the mile was made in $1:06\frac{1}{4}$. That was a little too speedy for the finish.

Beaumont, $2:23\frac{1}{4}$, by Le Grande, driven by J. A. Goldsmith, trotted in $2:23\frac{1}{4}$. His record remains unscathed.

Dexter Princess, $2:26\frac{1}{4}$, the handsome four-year old daughter of Dexter Prince, belonging to Messrs. Latham & Stump, trotted in $2:24\frac{1}{4}$.

Lady Markham by Bismarck, trotted two heats in $2:23\frac{1}{4}$ and $2:28$. Vidette, bay mare, by a son of Dave Hill, Jr., trotted three heats in $2:24$, $2:23\frac{1}{4}$, and $2:24\frac{1}{4}$.

Ashton, $2:29\frac{1}{4}$, by El Capitan, paced in $2:27\frac{1}{4}$ and $2:27\frac{1}{4}$.

Dot, a three-year old filly by Apex, dam by Red Cloud, got into the

charmed circle in 2:29½. Matt Dwyer, her driver, also handled the lines over Athadon, Fresno's wonderful yearling, that went the mile in 2:33.

Paladin, a good-looking son of Hawthorne, trotted in 2:29½, making another addition to the magic circle.

Fausta, a yearling, by Sidney, made a mile in 2:44½.

Previous to bringing out Arion, the phenomenal two-year old that got a record of 2:14½ about two weeks ago, it was rumored that Marvin had an idea he could lower this mark to 2:12, and when he appeared behind this fifteen-hand two-year old, to score for the word, it was easy to see he was satisfied with him. After scoring twice, the gray cap was seen to nod. "Go!" was heard as the horse's nose was seen to come under the wire, and at least one hundred timers clicked in unison. The first quarter was negotiated in 33½ seconds. There was no hitching nor wobbling, but squarely and speedily his beautiful gait was telling, for he went the second quarter in 31 seconds, just 1:04½ since he got the word. The look on the timers' faces changed, and the whispers that seemed to fly across the track found utterance in louder expressions: "See him fly!" "He'll break the record," etc. The third quarter just took him 32½ seconds to encompass. He was now 1:37½ from the wire. He does not seem to falter. Marvin leans forward and lightly touches the back of the game trotter, Sandy Smith with the runner comes up abreast, and with his reassuring voice aids the little youngster to do his best. Stronger and quicker are his strides, and, like Director when he made his old-time finishes, he comes under the wire, apparently as fresh as when he started, in 2:10½. The last quarter was made in 0:33½. When the young champion was lead back to his stall he did not appear a bit distressed over the terribly trying ordeal through which he had passed.

Hailstorm, a bay gelding, three years old, by Anteeo, Jr., dam, Starr, by George M. Patchen, Jr. (31), trotted a mile in 2:30. This makes the first great grandson of Electioneer to get into the charmed circle.

Millard Sanders started the great Sidney yearling, Frou Frou, to beat her record of 2:31½. She went to the half in 1:13, and between the half-mile pole and the three-quarter pole she was seen to falter. Passing the latter point she almost fell. Down her driver jumped, and on letting go of her head and loosening her throatlatch she rallied immediately, and walked to the stable apparently all right.

El Captain took the second heat of his race with Dot in 2:30, but owing to the lateness of the hour the race was postponed, as well as the unfinished race between Wilkesdale, who trotted in 2:33½ against Actor. The latter won the second heat in 2:31½.

Preceding the last three events Marvin brought Palo Alto out for another trial against his record. The horse moved strongly, although a slight lameness was perceptible. The track was not prepared for him. Had Marvin not driven him previously to-day there is no doubt but that Palo Alto would have been king of stallions at this moment. He started away from the wire at a terrific clip, Marvin talking to him, easily, and as he passed the first quarter pole in 0:31½ and the second in 0:31½, the crowd became excited, for they had never seen him go so well. He slowed up a little going to the three quarters; it took 33 seconds to do this stretch. Marvin made a driving finish with him, and came home under the wire in 2:09½, Palo Alto never having made a break. It was a splendid exhibition for a horse that was predicted to be crippled forever last fall—two miles, one in 2:10½ and the other in 2:09½ in one afternoon was splendid work.

STOCKTON, CAL., November 14, 1891.

Athadon, the wonderful yearling that created such a furore of excitement in Fresno not long since, came out on the track driven by Matt Dwyer, his driver and trainer. After scoring twice he got the word, and trotted the mile quite easily in 2:29½, making but one little break. He was not urged with the whip until about one hundred yards from the wire. Athadon has now achieved fame as the second fastest yearling in the world. Matt Dwyer received the congratulations of every one for the way in which he has worked with this colt. Athadon is by Matadon (a son of Onward), out of a fine mare called Attalie, by Harkaway, he by Strathmore; so it can be seen by this that if breeding figures in such wonderful performances as we have had during the past month, Athadon is well up in the first position. His owner, G. W. Worlow, of Fresno, has cause to feel proud of having such a fine young stallion. Athadon is the first of Matadon's progeny to be worked for speed; was raised on alfalfa until last June, and then taken up and handled.

The Sidney filly Frou Frou, handled by Millard Sanders, was sent to beat her record of 2:30½, but only succeeded in trotting the mile in 2:33. "She will beat the record made by Athadon yet," was the remark of a Sidney enthusiast to an onlooker, who answered: "Time will tell."

T. W. Barstow was seen mounted in a sulky behind Cyrus R, by Nutwood, who had a record of 2:19¾. On the first trial the black horse equaled his record, but on a subsequent effort he made a record of 2:17¾. His record at the beginning of the year was 2:29. This was quite a material reduction. Up to date he is the fastest Nutwood that has appeared this year in California.

Sibyl, by Sidney, was driven by Millard Sanders in a match race against Lowell's Kaffir, by Alcazar, and made a record of 2:28½. Kaffir's best mile was 2:38. Thus another Sidney is added to his lengthening list.

El Capitan, the fine-looking son of Nutwood (600), belonging to W. L. Ashe, who entered the list at Fresno, lowered his record one second, and has a record of 2:29.

Stoddard & De Gomez's Actor, by Prompter, made a record of 2:29¾ in a match race with Elector, Jr., and Shippee's Pet Thorne, by Hawthorne, made a mark of 2:34 against Albina, by Algona.

STOCKTON, CAL., November 16, 1891.

A large number of interested horsemen assembled on the track to-day. Every one was talking about Athadon's wonderful performance on Saturday. A mile made as easily as that one was in 2:29½ was something worth mentioning, but Millard Sanders was not satisfied, and to-day he proved that Frou Frou, the yearling sister of Memo, was a trotter of the improving kind. Sanders weighs about one hundred and sixty-five pounds, and the filly weighs only six hundred and fifty pounds. He started her away on her journey; she trotted to the quarter in 39½ seconds, the half in 1:13½, the three quarters in 1:53½, and when Sanders tapped her with the whip she responded gamely, and came under the wire in 2:28¾.

Fausta, a Sidney yearling, went a mile in 2:46, and Red Sid, another yearling by the same sire, went in 2:50.

Palo Alto made a fine effort to beat his record of 2:09½, and Marvin held him down well to the half, but he went too strong from that out, breaking twice, and losing the record. He went the first quarter in 32½ seconds, to the half in 1:04, the three quarters in 1:37½, with one break, and on the finishing quarter made another bad break. Marvin takes the middle of the track with Palo Alto, as he is apt to swerve, and he therefore goes a long mile at every race. He will go again to-morrow.

Cecilian, two years old, by Electioneer, went in 2:23½ against a record of 2:22.

Kaffir, by Alcazar, was driven by A. S. Olney against Lady Grosvenor, driven by H. G. Cox. Kaffir went in 2:30 and Lady Grosvenor in 2:29½.

W. L. Ashe's Ashton, a pacer, by El Capitan, made a record of 2:24½. Abdol, by Grand Moor, made a heat in 2:33.

STOCKTON, CAL., November 17, 1891.

When Tuesday morning came the sun rose warm in a cloudless sky, with not a breath of air stirring the leaves of the trees. But on the preceding night a light breeze had been creeping out of the southeast, foreboding rain, and during Tuesday forenoon the sky grew hazy as if a storm was impending. But the atmosphere was still calm, and by mid-day the sun was pouring hot rays down through the mists that had formed above, making the weather uncomfortably sultry for the spectators that gathered at the racecourse, but just right for stallion trotting.

When Palo Alto jogged into the loop every eye was suddenly fixed on him as if by magic. There was word abroad in the land that this was the noble old fellow's last chance, and if he came out victor in his great fight against time he was to be retired to a life of ease and rest. He went up the homestretch of the kite-shaped track for a little warming, and it was seen that he went lame. That hard mile of Saturday and that second one of Monday seemed to have told on his weak leg. But he stepped out with an easy, free stride, and, save for his sore foot, seemed in good form. There was fire in his eye, life in his gait, but that lame leg! Marvin drove him back again, and then once more worked him up the homestretch. He showed up better than he had the day before, and looked the gallant old hero that he is, but his infirmity led many to doubt whether he could trot the mile out without making a disastrous break. The track was hard—too hard for any but a perfectly sound horse—and this added to the probabilities against him.

But after being worked awhile his lame ankle appeared to lose its stiffness, and he trotted with greater and bolder freedom. His hide was wet with sweat, his thoroughbred blood was up, and when, on returning from one of his sprinting expeditions up the homestretch, Palo Alto found the runner waiting for him on the loop, his blood fairly boiled. He swung around and came up to the starting wire with a magnificent burst of speed, but the runner was too close on his heels, and Marvin was afraid to nod for the word. He went half way to the windmill near the first quarter pole, and was then driven back slowly.

At the second attempt the runner kept about two lengths behind, and

the stallion went away at a generous pace, Marvin getting the word with a confident nod of his head.

Palo Alto, lame Palo Alto, game Palo Alto, was off for the battle of his life; not an honest heart on the grounds but wished him hearty good luck and good speed. The grand old racer had not gone a hundred yards past the wire before, hearing the clatter of the runner's hoofs behind him and recalling his old campaigning days, he dashed suddenly on at an impetuous gait, and everybody expected to see him lose his legs at the very outset. But Marvin's steady hand soon held him down, and it was noticed that his speed was slackening. Then the runner came up dangerously close again, and the old horse struck off once more at a killing pace. But he settled down without a skip; and when the red flag midway of the kite's center-line dropped, the watches showed 31 $\frac{1}{2}$ seconds.

On he went, his mane flying and every muscle burning. He swept like the wind up the first half of the turn. But there was never a falter, never the least sign of a break. The runner began to gauge the distance better and kept a length and a half to the rear, neither falling back nor forging forward—just far enough behind to let the fiery old horse know that there was something pressing hard on him. On and on he swept with that same steady, stealing gait, still without a falter. He reached the half, and the timers snapped their watches and cried out, "Three and a half! He'll make it, by God!"

The half was passed. The crowd watched with bated breath. Now was the crucial test. At every previous attempt, save one, the game old hero had broken on the third quarter; it was too much for a lame horse. The first two quarters had been rated well; each was made in 31 $\frac{1}{2}$ seconds. Marvin held his time-piece in his hand. Up to the half he had driven at winning speed, but the last half was yet to be encountered; and on that half the old pride of Stanford's stables had broken repeatedly and disastrously. Marvin evidently realized their danger, for he held Palo Alto up a little after passing the half and kept him at a steady gait to the five furlongs, where he was most apt to go off his legs, as experience had shown. The critical point passed, Palo Alto trotted as steadily as a machine to the three-quarter pole. When the coachers called "Up," and the watches clicked, it was found that the three quarters had been covered in 1:36 $\frac{1}{2}$. This made the third quarter 33 seconds. It was a second and a quarter slower than either the first or the second quarter mile; but it was right rating. The dangerous third quarter had been left behind safely.

Down the homestretch came the noble old horse, trotting magnificently. Marvin had wisely held him down after passing the half-mile pole, but in doing so he had sacrificed precious time. The tactics used on the third quarter to keep Palo Alto on his legs would be useless on the homestretch, for if he drove him now at the same rating he would come in with the old time of 2:09 $\frac{1}{2}$ staring him in the face. He let the stallion out, and the game fellow responded generously. Here was the last and final test. All hearts stood still. On and on he came, with a great burst of speed, and it seemed as if Palo Alto himself knew the world's laurels were awaiting him at the wire, for never a horse made a nobler finish after so fast a drive than he. The judges and timers cautioned the crowd to stand back and keep quiet, but they needed no warning. Palo Alto had found his way into every heart, and there was

not a man among them but would fight for him at the drop of the hat. They almost held their breath in suspense as he came dashing on at impetuous speed. Now he was near the wire. The driver was shouting, and Marvin touched the horse with his whip.

The great trotter's eyes were ablaze with fury; the veins of his face stood out like cords. Under the wire he swept, and a great shout burst forth from the crowd. Palo Alto had snatched the laurels from Allerton's brow, and was now king of the whole, wide world. Palo Alto had come past the timer's stand with the record of 2:08 $\frac{1}{2}$.

Some of the outside watches made it 2:08 $\frac{1}{2}$. Marvin had 2:08 $\frac{2}{5}$. One of the timers had 2:08 $\frac{3}{4}$, another 2:08 $\frac{1}{2}$, and 2:08 $\frac{3}{8}$. The card sent up read 2:08 $\frac{3}{4}$. It was honestly won; it was gospel time—the old horse could afford to be generous to his enemies.

The next event was a sensation. On Saturday, C. A. Durfee had driven his McKinney in 2:16 before a strong wind, and it was thought he could go the mile under favorable circumstances in 2:12. He came to Stockton with the record of 2:17, of which he was proud. But at his first battle with Father Time he made the circuit in 0:33 $\frac{1}{2}$, 1:06 $\frac{1}{2}$, 1:40 $\frac{1}{2}$, and 2:12 $\frac{1}{2}$. Then it was announced that McKinney had trotted a faster mile than ever a four-year old stallion trotted before, and there was more cheering and hooping. McKinney was driven by his owner, and he was driven well. He came in under the whip, but came in strong.

The other main event of the day was the performance of Frou Frou. The beautiful yearling filly of the Valensin Stables started with a record of 2:28 $\frac{1}{4}$, which Millard Sanders, her driver, was determined to lower a notch. And he did it. Frou Frou trotted in the great time of 2:27, and cheers rang out once more.

The rest of the afternoon's speeding was comparatively unimportant. Abdol, by the Grand Moor, trotted in 2:28. Ashton, 2:24 $\frac{1}{2}$, paced in 2:27. Prince (a Stanislaus County horse), 2:23 $\frac{1}{2}$, paced in 2:25 $\frac{1}{2}$. Bell Bird tried to lower her yearling record another peg, but failed, going only in 2:28. Niles Beauty, owned by Al. Mayhew, of Niles, trotted a match with Wilkesdale, and the latter won in 2:33.

The Palo Alto Stable's Cecilian went against 2:22, but fell short of the work by a full second. Sibyl, by Sidney, went in 2:27 $\frac{1}{2}$, and again in 2:29 $\frac{1}{4}$; the record was 2:28 $\frac{3}{4}$. Shippee's Paladin went in 2:29 $\frac{1}{2}$. Dan McCarty, the irrepressible, drove his Cupid against 2:19, but failed by a quarter of a second. Thornhill went in 2:24 $\frac{1}{2}$; Boxwood, 2:35 $\frac{1}{2}$; Elector, Jr., 2:34 $\frac{1}{2}$; Athadon (2:29 $\frac{1}{2}$) in his old time. Albina in 2:41 $\frac{1}{2}$; Pet Thorne in 2:38 $\frac{1}{4}$; El Capitan (2:29) in 2:35 $\frac{1}{4}$; Ross S (2:21 $\frac{1}{2}$) in his same old time; and Lady Grovesnor in 2:27 $\frac{1}{2}$.

STOCKTON, CAL., November 21, 1891.

It is a universal fact that the new in every sphere of life meets with opposition, because it is an innovation, and consequently all, or nearly all, who have been accustomed to the old way of doing things oppose the change inaugurated; but it is a fact equally as universal that the new always triumphs over the old. That the kite-shaped track has come to stay there can be no reasonable doubt. No action which can be taken against it by the trotting associations can kill the new kite, for even if

downed for the time being it will rise, like the phoenix, from its ashes. It has been said that the kite is not "fair," and, so far as a comparison of records made over it with past records made over the ellipse is concerned, the declaration may be true enough. But the present cannot be bound down to the past by reason of any such consideration.

The argument advanced against the new style track might, with equal propriety, be advanced against all improvements of whatever nature. As for that, records made on the kite-shaped track are no more unfair than those made on the wonderful elliptical tracks are unfair, as compared with some of the remarkable performances of the past, which were made under very disadvantageous circumstances. If a certain great record was made over an ice track and with cork shoes, that fact does not bind every future horse to trot under the same conditions; and if some other record were made over a rough course, not properly graded and sloped, that would be no reason why all future horses must trot under the very same circumstances.

The fact of the matter is, there is a very general desire among horsemen to get a horse that can go a mile in two minutes, and everything tending to the desired end is going to be accepted—ultimately, at least. There is no more sense in burdening the horse with a comparatively slow track than there would be in burdening him with an unnecessarily heavy sulky or imposing other conditions tending to restrict his speed. Every possible advantage must be given him, if the world is ever to see a two-minute horse, and, as the kite-shaped track is generally acknowledged to be one great advantage in this respect, it may be set down as a fact that it has come to stay. And right here in this connection a remark made by Charles Marvin comes in apropos. After he had driven over one of the world's records some one remarked that it was all on account of the kite-shaped track. "Well," said Marvin, "that record is down in black and white; now let's see them rub it out."

Even those who oppose the kite-shaped track seem to recognize the fact that it is only fair to give the horse every possible show, and, accordingly, they are objecting to the "kite" merely on the score that it cannot be used for various distances, and on the further score that spectators cannot see the start and the exciting finishes of races. The latter objection may be overcome very readily by locating the grand stand opposite the finish; thus located, the spectators will have as good a view of the races as they now have in the case of the ellipse. As for the first objection (that the track cannot be made to suit all distances), it has been swept away by a recent suggestion. That suggestion is that the loop of the kite be made a duplicate of the kite itself. Thus, you would have a two-mile course approximately in the shape of the figure 8. Over this double-kite, as it may be called, a one-mile, two-mile, three-mile, or twenty-mile race may be made as easily as over the ellipse. The wires could be located just as they are in the case of the Stockton kite, the loop being enlarged so that the distance from the finishing wire of the present kite to the starting wire would be a mile.

What future improvements may be made in kite-shaped tracks it is hard to guess, but among other things suggested is the introduction of what is known to civil engineers as the "transition curve."

The transition curve begins with a parabolic curve (tangent, of course, to the straightaway) and merges into the curve ordinarily found in racecourses, which is an arc of a true circle. The advantage of the

transition curve lies in the fact that the horse is not thrown suddenly from the straightaway into the full curve, but approaches it gradually; and also in the fact that the slope upward from the inside of the track to the outside is increased by mathematically correct degrees from the flat grade of the straight stretch to the pitch of the full curve. Whether there is anything in the suggestion only experimentation can determine, but it is claimed by the scientifically inclined that such a curve would give the horse greater freedom of action, and enable him to round a curve with about as much ease as he could travel on a straight line.

On November 21st Giulio Valensin's wonderful yearling Frou Frou tied Bell Bird's world record of 2:26½. Just thirty days before trotting her mile in Bell Bird's time she went from wire to wire in 2:41. People admired her then simply because she was a beauty, and traveled with a nice gait. Nobody expected her to amount to much, for she weighed only six hundred and fifty pounds. She had a delicate, jaunty way about her that made most people think her too much of a toy to stand up to the last quarter of a fast mile. But she has done honor to her blood in several game battles against time within the thirty days that have elapsed since she made that first 2:41, and has improved so steadily and shown such staying qualities that now she occupies a high place among the big ones. Her final effort put Frou Frou ahead of Bell Bird in some respects, for, although the latter's record was merely tied, the quarters made by Frou Frou showed up very favorably in comparison with those made by Bell Bird.

The day was fairly good, but there was a light breeze blowing—not a breeze to bother a strong horse, but still, it was feared, stiff enough to interfere with a baby horse, weighing only five times as much as a mastiff dog. Frou Frou did not get away just right on the first attempt, and Millard Sanders, who had set his heart on stealing at least one of those records which Marvin had carried away to Palo Alto in his valise two days before, wisely pulled the filly up and jogged back to the loop. At the next attempt the baby got away well, and trotted squarely off to the first quarter-pole, but Sanders was driving her nearer to the outside than to the inside fence, for some inscrutable reason. She made the first quarter in 0:39½, and, of course, everybody thought it was all day with her. But she trotted steadily on, and when the watches caught the half-mile pole they showed 1:16. That was bad. Of course, such a delicate little filly as Frou Frou could not regain the time thus lost—so everybody thought. But they did not appreciate the little one's temper. Sanders had been holding her in.

At the half he let her out, and she made the three-quarter pole in 1:51½. This was much better, but still it was a quarter of a second behind Bell Bird's time. And as the spectators looked at the delicate build of the racer, and compared her with Bell Bird, they thought the last quarter would surely settle the supremacy in Bell Bird's favor. But down the homestretch she came, as if riding on the wind, keeping gamely up to the wonderful clip she had shown on finishing the turn, and when she went under the wire people shouted heartily, for all watches showed her great feat.

Frou Frou had made the last quarter in 35 seconds. She had equaled Bell Bird's great mile of 2:26½. The first half, as already stated, was made in 1:16, the last half in 1:10½. The poles were: 0:39½, 1:16, 1:51½, and 2:26½. Bell Bird's were: 0:37½, 1:14, 1:51, and 2:26½. When a

comparison between Frou Frou's and Bell Bird's first quarter was made the people expressed the opinion that Bell Bird would soon lose her queenly crown.

Frou Frou tied the world's yearling trotting record, but Fausta captured the world's yearling pacing record by three seconds and a quarter. On the preceding Monday the phenomenal little pacer made 2:40, and on the following Monday she exercised so well that Sanders decided to try her an extremely fast quarter. He was so well pleased that he made up his mind she could beat the world's record on Saturday, and she did it. He had expected, though, that she would go somewhere near 2:25, but she fell short of that, because she had not been accustomed to such hot work. Fausta got away well at the first send-off, pacing the quarter in $37\frac{1}{4}$ seconds. The half-mile post was reached in $1:13\frac{1}{4}$. The three-quarter pole was made in $1:50\frac{1}{4}$, and the little pacer finished strong in $2:25\frac{1}{4}$, making the last half mile in $1:12\frac{1}{4}$ —just a second faster than the first half. By quarters her performance was: $0:37\frac{1}{4}$, $0:35\frac{1}{4}$, $0:37\frac{1}{4}$, and $0:35$ —the latter a 2:20 gait.

The Sidney records were the sensation of the day, but not by any means the only events of interest. There was another thing quite as fetching for the crowd, though it was not a record-breaking one. It was the working-out of the great California pacer Direct. The judges announced that the fastest horse in all the wide world would start for fun—just for a little flier—and George Starr came out behind the 2:06 horse. Direct's nerves and muscles had not recovered thoroughly from the fatigue incident to railway travel, and he was not in condition to be speeded against his noble record, but Starr wanted to treat the spectators with a sight of the pacer. Mr. Salisbury was there to see the fun. After a little warming up to take the frost out of his blood, Direct went past the timers with a great burst of speed, working the half-mile in $1:06\frac{1}{4}$. This was slow, but as it was only a lark people forgave him. The next half was made in $1:04\frac{1}{4}$, the mile being $2:11\frac{1}{4}$. The last quarter was made in $31\frac{1}{4}$ seconds—a 2:05 gait.

The handsome little black stallion went off for another lark then, pacing the first quarter in $33\frac{1}{4}$ seconds, and going to the half in the fast time of 1:04. The next half was finished in the same time, Direct coming past the timers in 2:08. The quarters were: $0:33\frac{1}{4}$, $0:31\frac{1}{4}$, $0:32\frac{1}{4}$, and $0:31\frac{1}{4}$. It was the fastest mile ever made in California, and the rating showed that Direct could go over the kite-shaped track under hard driving and good conditions in 2:03.

By the way, Direct is a very peculiar horse, or Starr a very peculiar driver. There is no shouting to engender speed. Direct is driven without blinds. Starr says this is because the horse wants to look back at his watch and see how he is getting along.

A. S. Olney got Wilkesdale into the list with a record of 2:29, after two attempts, the first attempt resulting in the time of $2:29\frac{1}{4}$. Wilkesdale is rather an ungainly-gaited horse, by Alcantara, and is owned by a resident of Sacramento.

The other events were: Lady Pet, by Hawthorne, trotted a match heat with James Dunham's Dexter Prince mare in $2:31\frac{1}{4}$; Richards' Elector, Jr., by Richards' Elector, trotted a heat in an unfinished match race in 2:33; Athadon, by Matadon, was driven in his old time of $2:28\frac{1}{4}$, and Lady Grosvenor, by Grosvenor, was driven in 2:27, reducing her record half a second.

STOCKTON, CAL., November 24, 1891.

This was to be Direct's day. At least, that is what everybody thought, for had not the scrapers been going around just as George Starr directed? And wasn't it a hot afternoon? And wasn't the atmosphere as placid as an anchorite? Of course it was, so unquestionably the great 2:06 pacer owned the day, and all he wanted was the word to go.

When the magnificent little black stallion was brought out from the stable, the crowd clapped their hands and stamped with their feet, giving him an ovation.

After being exercised, Direct was taken back to the stable, having thrown a shoe on the homestretch, and he remained off the track until nearly 3:30 o'clock, while other events were going on. Then he was brought out once again, and there was more hand clapping.

Starr seemed to fear that the pacer would leave the runner behind, strange to say, and provision was made for two runners, one of them to pick up the gait at the half-mile pole. This runner was driven by Millard Sanders' second, while Harry Whiting drove the runner from the loop. Starr, who had doubts about the ungainly looking horse under Whiting's charge, thought he would give him a little preliminary brush and see how he acted. So he drove Direct up to the wire, the runner alongside for a spurt down the straightaway. Of course every one saw that Direct was not going for good, the word not having been given, so little attention was paid. Great Scott! was he fired out of a cannon? People suddenly sprang up and looked on in amazement.

Down the stretch he flew. Nothing like it was ever seen before on any track. Heavens, what a gait!—and how the little horse did settle down to business.

The little animal certainly has a wonderful style about him. His seems to be the acme of the pacing gait. It is said by balloonists that no matter how the balloon may pitch in its aerial voyage, no matter how fiercely the wind may blow, nor how much the basket may swing, a cup filled to the brim with water will not spill a drop by reason of the motion. In that respect the mad flight of the balloon in a hurricane may be compared to the flight of the great 2:06 pacer when he proceeds to business. He sweeps along like the wind, but so easily does he move, and so regular is his gait, that one would think a glassful of water on his back would not lose one drop.

But Direct, poor fellow, was not destined to fulfill the high expectations borne of his great dash down the quarter. It was not his fault, though, for he was rated too high to the half, and nothing but machinery could stand up to such rating as he got—1:01½ to the half. He got away well, and paced steadily to the first pole at the high speed of 30½ seconds. On the first half of the curve he increased his speed a quarter of a second. There the second runner, who was awaiting him at the half-mile pole, picked up the gait, and both runners came on with the pacer, the one abreast of him, and the other a little to the rear. The last half of the turn was made in the comparatively slow time of 33½ seconds, the three-quarter pole being reached in 1:34½. Down the homestretch Starr drove hard, bringing the horse under the wire with his whip in 2:07½, the last quarter having been made in 32½ seconds.

Direct had failed, but there were other events to retrieve the afternoon's good reputation. Two of the Sidney horses did honor to them-

selves and their sire. The people at the record meeting have been gradually coming to look on Valensin's stock with very kindly eyes of late, and to-day Frou Frou and Fausta more than fulfilled the expectations which the people had formed. A remarkable thing in connection with these baby horses is the fact that they have never gone back on their records. Each time they trot faster than before. Does this indicate that the speed is in them, and only needs to be worked out?

The chestnut yearling filly, Frou Frou, 2:26½, on being driven by Sanders against her own and Bell Bird's time, made the first quarter in 0:37, and the half in 1:14½. She had been well rated, for Sanders knew that, notwithstanding her youth, she could do a very fast finishing half. The third quarter-pole was made in 1:51, the third quarter being covered in 36½ seconds. The filly trotted gamely down the homestretch like an old veteran. There was a record lying just under the wire; it was Bell Bird's. And when Frou Frou passed under the wire, she stepped squarely on that record with her off forward foot, and smashed it to smithereens. The pieces were picked up in the hope that Mr. Marvin would return and try to patch them together again, but it is considered doubtful whether they are capable of being united any more. The time was 2:26, a quarter of a second better than Bell Bird's. The crowd cheered the gallant little chestnut baby.

Then there was Fausta, the wonderful yearling pacer with a recent record of 2:25½. The pretty minx with her delicate legs, small body, and shapely little head, looks like a toy; no one would think she could stand up to such a mile. But she is game from hoofs up, and the way she finishes ought to make many an older and stronger horse feel ashamed of himself—or herself as the case may be.

Fausta paced the quarter in 0:37½, the second quarter in 0:35½, the third in 0:36½, and the fourth in 0:35. The half was made in 1:13, the three quarters in 1:48½, and the mile in 2:24½, the pacer lowering her record three quarters of a second. She had the world's record already by three seconds and a half.

The only other big event of the afternoon was the speeding of D. M. Reavis' Vic H, by Blackbird, against her record of 2:13½. The weather was good, but the track was rather hard for a trotter, having been put in condition especially for Direct, and the black mare failed to lower her record, although Starr pushed her down the homestretch. The time was 2:13½. The first three poles were 0:34½, 1:08, and 1:42.

Matt Dwyer drove G. L. Worlow's yearling Athadon, 2:29½, by Matadon, in 0:38, 1:14½, 1:51½, and 2:27, the record being lowered a second and a half. This gives Athadon the yearling stallion record for the world.

Abdol, 2:28, by Grand Moor, was driven by Sanders in 2:31.

In the postponed match race between L. U. Shippee's bay mare Pet Thorne, by Hawthorne, driven by James Thompson, and J. E. Dunham's bay mare Lucille, by Dexter Prince, Pet Thorne won both heats, in 2:34½ and 2:31, respectively. Lucille, by the way, is the mare that has been trotting recently under the name of Lady Dunham. The judges finding out that the name had been changed, changed it back again to Lucille.

THE KITE-SHAPED TRACK.

THE PHILOSOPHY OF ITS SUPERIORITY OVER OTHER COURSES.

R. S. Blakeman, of Lexington, Kentucky, a civil engineer who has built a number of trotting tracks, was asked for the scientific reason why a track with one turn should be faster than one with two turns. In answering the question he said:

"Because a body passing around a curve is subject to two motions or forces acting at right angles to the direction of the other. A portion of a horse's energy is used in getting forward, and another portion of his energy is used in turning as he goes around the bend. The same amount of force in the locomotive will pull the train faster when the railroad track is straight than it will when it is curved. If a regulation course which has two turns is as fast as the kite course which has one turn, then by parity of reasoning a kite which has one turn is as fast as a straightaway course which has no turn, which brings us face to face with an absurdity, for no one would deny that a course perfectly straight from end to end is the fastest possible shape for a track. The eccentricities and peculiarities of a few horses that seem to work better on turns than anywhere else is no disproof of the laws of motion and the experience of the majority of horses. No one questions the advantages, as conducive to speed and ease, of good, springy soil for the surface of a trotting track, but the above discussion is as to the main cause of the superiority in point of speed which the kite track undoubtedly possesses."

TRANSACTIONS
OF THE
THIRD DISTRICT AGRICULTURAL ASSOCIATION
For the Year 1891,
Composed of the Counties of Butte, Colusa, and Glenn.

OFFICERS OF THE ASSOCIATION.

| | |
|----------------------|------------|
| T. P. HENDRICKS..... | President. |
| JO D. SPROUL | Secretary. |
| J. R. ROBINSON | Treasurer. |

DIRECTORS.

| | |
|----------------------|----------|
| T. P. HENDRICKS..... | Chico. |
| W. A. SHIPPEE..... | Avon. |
| T. B. HUTCHINGS..... | Gridley. |
| A. L. NICHOLS..... | Chico. |
| J. M. GARNER | Chico. |
| D. M. REAVIS..... | Chico. |
| F. C. LUSK | Chico. |
| J. R. TROXEL..... | Willows. |

REPORT.

CHICO, January 1, 1892.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Third District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

JO D. SPROUL,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|--|------------|-------------------|
| State aid | \$2,500 00 | |
| Privileges | 1,088 00 | |
| Gate receipts at Park and Pavilion | 1,197 60 | |
| Entrance for races | 2,945 00 | |
| Private subscriptions | 1,392 00 | |
| | | \$9,094 50 |
| Balance | | 836 67 |
| | | <u>\$9,931 17</u> |

Expenditures.

| | | |
|---------------------------------------|----------|-------------------|
| Balance from 1890 | \$267 00 | |
| Purses | 5,045 00 | |
| Labor | 631 00 | |
| Water | 150 00 | |
| Advertising | 335 00 | |
| Premiums | 1,170 00 | |
| Rent of Park | 500 00 | |
| Rent of Pavilion | 150 00 | |
| Rent of stable | 7 00 | |
| Secretary's salary | 250 00 | |
| Telegraphing | 9 50 | |
| Drayage | 81 00 | |
| Music | 300 00 | |
| Hay and straw | 136 75 | |
| Hack and livery hire | 49 50 | |
| National Trotting Association | 50 00 | |
| Sundry bills of 1890 | 118 92 | |
| Sundry expenses for merchandise | 431 75 | |
| Interest | 218 75 | |
| Refunded entry | 80 00 | |
| | | <u>\$9,931 17</u> |

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------|---------|
| CLASS I—THOROUGHBREDS—STALLIONS. | | |
| San Luis Obispo, three years old and over.. | John H. Stevensen, Chico | \$20 00 |
| CLASS II—GRADED—STALLIONS. | | |
| Black Jack, two years old | H. L. Sanders | 10 00 |
| Van M, two years old | E. C. Wilson | 5 00 |
| MARES. | | |
| Lady, three years old and over | J. F. Taggart, Chico | 15 00 |
| CLASS IV—DRAFT HORSES. | | |
| Jennie, two years old | Allen Henry, Chico | 5 00 |
| CLASS V—ROADSTERS. | | |
| Annie E, three years old and over | W. R. Merrill | 10 00 |
| —, three years old | Allen Henry, Chico | 5 00 |
| —, three years old and over | Allen Henry, Chico | 2 50 |
| —, four years old | J. K. Boydston, Dayton | 5 00 |
| CLASS VI—HORSES OF ALL WORK. | | |
| — | L. H. McIntosh, Chico | — |
| CLASS VII—CARRIAGE HORSES. | | |
| Bodie | T. E. Shearer, Chico | 7 50 |
| Blackbird | Jerome Thompson, Chico | 5 00 |
| CLASS VIII—SADDLE HORSES. | | |
| Montrose | W. M. Billups, Colusa | 7 50 |
| Sib | J. M. Garner, Chico | 3 50 |
| CLASS IX—YEARLINGS. | | |
| McGinty | T. McKeown, Chico | 7 50 |
| Don Sherman | Allen Henry, Chico | 5 00 |
| Lady Nutwood | J. K. Boydston, Dayton | 5 00 |
| Marvel B | W. M. Billups, Colusa | 2 00 |
| SUCKLINGS. | | |
| Dolly W | James V. Flint, Chico | 5 00 |
| Lady Clare | J. F. Taggart, Chico | 2 00 |
| CLASS X—SWEEPSTAKES. | | |
| Nellie, best mare of any age | Allen Henry, Chico | 15 00 |
| CLASS XI—JACKS AND MULES—JACKS. | | |
| Beecher, three years old and over | R. H. Blunkall, Chico | 15 00 |
| Morton, three years old and over | R. H. Blunkall, Chico | 7 50 |
| Bonanza, one year old | R. H. Blunkall, Chico | 5 00 |
| JENNIES. | | |
| Barbay | R. H. Blunkall, Chico | 7 50 |
| Pinto Queen | James V. Flint, Chico | 3 50 |
| MULES. | | |
| Jack and Jenny | John Guill, Chico | 7 50 |
| Jenny | John Guill, Chico | 5 00 |
| CATTLE.—CLASS II—JERSEYS—BULLS. | | |
| —, calf | Mrs. J. Salisbury, Chico | 4 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------------|---------|
| COWS. | | |
| —, three years old | Mrs. F. A. Tetreau, Chico | \$15 00 |
| CLASS III—AYRESHIRE—COWS. | | |
| Cricket, three years old | Perry Hendricks, Chico | 8 00 |
| CLASS IV—DURHAMS—BULLS. | | |
| Dave, three years old and over | J. H. Guill, Chico | 15 00 |
| —, calf | J. H. Guill, Chico | 4 00 |
| COWS. | | |
| Maggie, three years old and over | J. H. Guill, Chico | 15 00 |
| Susie, three years old and over | J. H. Guill, Chico | 8 00 |
| —, calf | J. H. Guill, Chico | 4 00 |
| CLASS V—HOLSTEINS—BULLS. | | |
| Lariat, yearling | W. J. O'Connor, Chico | 5 00 |
| Gilt Edge, calf | W. J. O'Connor, Chico | 4 00 |
| COWS. | | |
| Osage, three years old and over | W. J. O'Connor, Chico | 15 00 |
| Sierra 3d, two years old and over | W. J. O'Connor, Chico | 10 00 |
| SWINE. | | |
| Berkshire boar | J. H. Guill, Chico | 8 00 |
| Berkshire boar | J. H. Guill, Chico | 4 00 |
| Berkshire sow | J. H. Guill, Chico | 5 00 |
| Berkshire sow | J. H. Guill, Chico | 3 00 |
| Five Berkshire pigs under six months | J. H. Guill, Chico | 5 00 |
| POULTRY. | | |
| Exhibit of five varieties | C. C. Goree, Chico | 7 50 |
| One pair Light Brahmas | C. C. Goree, Chico | 2 50 |
| One pair Brahmas | C. C. Goree, Chico | 2 50 |
| One pair Buff Cochins | C. C. Goree, Chico | 2 50 |
| One pair Silver-spangled Hamburgs | Robert McKeune | 2 50 |
| One pair Black Spanish | G. Allinger, Chico | 2 50 |
| One pair Brown Leghorns | J. H. Guill, Chico | 2 50 |
| One pair Golden Seabright Bantams | M. Breslauer, Chico | 2 50 |
| One pair Dominiques | C. C. Goree, Chico | 2 50 |
| One pair Plymouth Rocks | C. C. Goree, Chico | 2 50 |
| Breeding pen of any variety | C. C. Goree, Chico | 7 50 |
| One pair Bronze turkeys | Mrs. F. A. Tetreau, Chico | 5 00 |
| One pair Russian White turkeys | Mrs. F. A. Tetreau, Chico | 5 00 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------|----------|
| Best beehive made in district | J. F. Entler, Chico | \$2 00 |
| Best broadcast seed sower | Wm. Sharkey, Biggs | Diploma. |
| Best set double carriage harness | George Lyons, Chico | \$10 00 |
| Best set single harness | George Lyons, Chico | 5 00 |
| Best display of saddles and bridles | George Lyons, Chico | 2 50 |
| Best display of farm harness | George Lyons, Chico | 10 00 |
| Best display of saddlery goods | George Lyons, Chico | 10 00 |
| Best set double harness | J. G. Murphy, Chico | 10 00 |
| Best horseshoes, hand-made | C. L. Nelson, Chico | 2 00 |
| Best horse plates made in district | C. L. Nelson, Chico | 2 00 |
| Best exhibit of blacksmith work | John Shannon, Chico | 5 00 |
| Best hermetically sealed oil can | J. D. Todd | Diploma. |
| Best self-regulating sheep shears | J. D. Todd | Diploma. |
| Best safety singletree clip | J. D. Todd | Diploma. |
| Best trunk binder | W. K. Conger, Chico | Diploma. |
| Best singletree irons | John Shannon, Chico | Diploma. |
| Best link chain | John Shannon, Chico | Diploma. |

THIRD DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|------------------------------------|----------|
| Best display of knitted lace..... | Miss C. L. Heckart..... | \$2 50 |
| Best crochet lace..... | Mrs. D. Breslau, Chico..... | 2 50 |
| Best crochet bedspread..... | Mrs. D. Breslau, Chico..... | 5 00 |
| Best knit stockings..... | Mrs. J. H. Guill, Chico..... | 2 00 |
| Best patchwork quilt..... | Mrs. J. H. Guill, Chico..... | 2 50 |
| Best applique quilt..... | Mrs. J. H. Guill, Chico..... | Sp. 2 50 |
| Best knit rug..... | Mrs. J. F. Entler, Chico..... | Sp. 1 00 |
| Best quilted quilt..... | Miss Alice Snyder, Chico..... | 2 50 |
| Best worsted quilt..... | Mrs. E. Heckart..... | 2 00 |
| Best crazy quilt..... | Mrs. Nellie McCormack, Chico..... | 5 00 |
| Best applique embroidery..... | Miss Harriet Abbe, Chico..... | 2 00 |
| Best silk embroidered sofa cushion..... | Miss Maggie Shannon, Chico..... | 2 00 |
| Best Russian embroidered sofa cushion..... | Miss Maggie Shannon, Chico..... | 2 00 |
| Best etched pillow shams..... | Miss Alice Snyder, Chico..... | Sp. 1 00 |
| Best braided pillow shams..... | Mrs. E. Findley..... | Sp. 1 00 |
| Best set pillow shams..... | Miss Maggie Shannon, Chico..... | 2 00 |
| Best display of crochet tidies..... | Mrs. D. Breslau, Chico..... | 2 00 |
| Best picture drape..... | Mrs. Nellie McCormack, Chico..... | 1 00 |
| Best fancy tidies..... | Miss Harriet Abbe, Chico..... | 2 00 |
| Best beaded tidy..... | Mrs. D. Breslau, Chico..... | Sp. 1 00 |
| Best fancy tidy..... | Miss Harriet Abbe, Chico..... | 1 00 |
| Best etched tidy..... | Mary McKeown, Chico..... | 50 |
| Best Queen Anne embroidered drape..... | Miss Kate Conger, Chico..... | Sp. 1 00 |
| Best lounge cover..... | Mrs. N. E. Batchelor, Chico..... | 2 00 |
| Best linen embroidered lounge cover..... | Miss Maggie Shannon, Chico..... | Sp. 1 00 |
| Best Russian embroidered tea cloth..... | Mrs. D. Breslau, Chico..... | Sp. 1 00 |
| Best silk embroidered biscuit cloth..... | Miss Maggie Shannon, Chico..... | Sp. 50 |
| Best silk embroidered corn cloth..... | Miss Maggie Shannon, Chico..... | Sp. 50 |
| Best piano cover..... | Mrs. Nellie McCormack, Chico..... | Sp. 2 00 |
| Best applique table scarf..... | Miss Harriet Abbe, Chico..... | 2 00 |
| Best piano scarf..... | Miss Maggie Shannon, Chico..... | 5 00 |
| Best embroidered table cover..... | Miss Carrie Apperson, Chico..... | 2 50 |
| Best embroidered sideboard cover..... | Miss Lillian O'Ferrall, Chico..... | Sp. 2 00 |
| Best embroidered dining table cloth..... | Miss Kate Conger, Chico..... | Sp. 5 00 |
| Best etching or outline work..... | Mrs. Nellie McCormack, Chico..... | 2 00 |
| Best etched toilet set..... | Miss May McKeown, Chico..... | Sp. 2 00 |
| Best crochet toilet set..... | Mrs. Nellie McCormack, Chico..... | 1 00 |
| Best and handsomest toilet set..... | Miss Maggie Shannon, Chico..... | 2 50 |
| Best lambrequin..... | Mrs. Nellie McCormack, Chico..... | 2 00 |
| Best embroidered lambrequin..... | Miss Carrie Apperson, Chico..... | 2 00 |
| Best duchess lace handkerchief..... | Mrs. Nellie McCormack, Chico..... | 2 00 |
| Best silk knot work..... | Mrs. Nellie McCormack, Chico..... | 1 00 |
| Best crochet head purse..... | Mrs. Nellie McCormack, Chico..... | 1 00 |
| Best crochet table mat..... | Mrs. Nellie McCormack, Chico..... | 1 00 |
| Best hemstitching on linen..... | Mrs. Nellie McCormack, Chico..... | 1 00 |
| Best crochet mohair fascinator..... | Mrs. Nellie McCormack, Chico..... | 1 00 |
| Best silk embroidery on linen..... | Mrs. Nellie McCormack, Chico..... | 1 00 |
| Best crochet child's afghan..... | Miss Maggie Shannon, Chico..... | 2 00 |
| Best and handsomest dress for woman..... | Mrs. E. Findley..... | 5 00 |
| Best and handsomest dressing gown..... | Miss Maggie Shannon, Chico..... | 5 00 |
| Best Russian embroidery..... | Miss Maggie Shannon, Chico..... | 2 00 |
| Best hand-made carriage afghan..... | Mrs. E. Findley..... | 2 00 |
| Best Spanish work..... | Miss M. H. Shippee, Nelson..... | 2 00 |
| Best display of fancy work by one lady..... | Miss Maggie Shannon, Chico..... | 5 00 |
| Best Portuguese work on towel..... | Mrs. Joaquin Dutra, Chico..... | 2 50 |
| Best Portuguese silk embroidery..... | Mrs. Joaquin Dutra, Chico..... | 5 00 |
| Best arrasene handkerchief case..... | Miss Harriet Abbe, Chico..... | Sp. 50 |
| Best ribbons glove case..... | Miss Harriet Abbe, Chico..... | Sp. 50 |
| Best chenille pincushion..... | Miss Harriet Abbe, Chico..... | Sp. 1 00 |
| Best pincushion..... | Miss Maggie Shannon, Chico..... | 2 00 |
| Best crochet shawl..... | Miss Maggie Shannon, Chico..... | 2 00 |
| Best lamp mat..... | Miss Maggie Shannon, Chico..... | 1 00 |
| Best embroidered banner..... | Miss Maggie Shannon, Chico..... | 2 50 |
| Best honiton point lace handkerchief..... | Miss Maggie Shannon, Chico..... | 2 00 |
| Best embroidery on canvas..... | Miss Maggie Shannon, Chico..... | 2 00 |
| Best embroidered bedspread..... | Mrs. D. Breslau, Chico..... | 1 00 |
| Best variety linen embroidery..... | Mrs. Joaquin Dutra, Chico..... | 2 50 |
| Best hand embroidered doilies..... | Miss Maggie Shannon, Chico..... | 50 |
| Best display of kensington embroidery..... | Miss Maggie Shannon, Chico..... | 1 00 |

THIRD DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|----------|
| Best display of fine lace work | Miss Maggie Shannon, Chico | \$2 50 |
| Best and handsomest whisk-broom holder | Miss Maggie Shannon, Chico | 2 00 |
| Best pair knitted slippers | Miss Maggie Shannon, Chico | 50 |
| Best sorento embroidery | Miss Maggie Shannon, Chico | Sp. 1 00 |
| Best embroidered muffler | Miss Maggie Shannon, Chico | 50 |
| Best crochet skirt | Mrs. D. Breslau, Chico | 2 00 |
| Best knit skirt | Mrs. D. Breslau, Chico | 2 00 |
| Best feather wreath | Mrs. R. Breslau, Chico | 2 00 |
| Best hair wreath | Mrs. R. Breslau, Chico | Sp. 1 00 |
| Best knit skirt | Mrs. R. Breslau, Chico | Sp. 50 |
| Best artificial flowers | Mrs. Joaquin Dutra, Chico | 2 00 |
| Best silk embroidery | Mrs. Joaquin Dutra, Chico | 5 00 |
| Best display of women's and children's clothes | Miss Maggie Shannon, Chico | 10 00 |
| Best embroidered picture | Miss Maggie Shannon, Chico | 2 50 |
| Best wall pocket | Miss Maggie Shannon, Chico | 2 00 |
| Best display of crazy work | Mrs. N. E. Batchelor, Chico | 2 50 |

FOURTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------|----------|
| Best display of pianos made in U. S. | James V. Flint, Chico | \$10 00 |
| Best display of upholstery | Fetters & Williams, Chico | 5 00 |
| Best display of dining-room furniture | Fetters & Williams, Chico | 3 00 |
| Best display of furniture | Fetters & Williams, Chico | 10 00 |
| Best display of parlor furniture | Fetters & Williams, Chico | 3 00 |
| Best center table | Fetters & Williams, Chico | 2 50 |
| Best extension table | Fetters & Williams, Chico | 2 50 |
| Best lounge | Fetters & Williams, Chico | 2 50 |
| Best bridge model | A. Heckart | Diploma. |
| Best display of soap made in district | C. C. Goree, Chico | \$5 00 |
| Best soft soap | C. C. Goree, Chico | 2 00 |
| Best hand-made soap | Mrs. F. Wakefield, Chico | 2 00 |
| Best display of confectionery | Miss Helen Kempf, Chico | 5 00 |
| Best 26 varieties Butte County woods | A. Heckart | 5 00 |
| Best "Pacific Ocean Sea Life" | Miss Kate Conger, Chico | 5 00 |
| Best display of sewing machines | W. R. Elwood, Chico | 10 00 |
| Best needle work by Singer machine | W. R. Elwood, Chico | ----- |
| Best display of carbonated beverages | A. G. Eames, Chico | Sp. 5 00 |

FIFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|--------------------------------|--------|
| Best sugar cane seed | Mrs. J. H. Guill, Chico | \$2 00 |
| Best collection of farm and flower seeds | Mrs. J. H. Guill, Chico | 2 00 |
| Best ten-pound can lard | Mrs. F. Wakefield, Chico | 2 00 |
| Best half bushel red potatoes | J. H. Guill, Chico | 1 00 |
| Best peck potatoes | J. H. Guill, Chico | 1 00 |
| Best half bushel white potatoes | Grant Allinger, Chico | 1 00 |
| Best half bushel sweet potatoes | J. A. Walker, Chico | 1 00 |
| Best and largest variety of wheat | J. F. Entler, Chico | 10 00 |
| Best bushel wheat | J. F. Entler, Chico | 5 00 |
| Best sack barley | J. F. Entler, Chico | 2 00 |
| Best collection of flower seeds | Mrs. J. H. Guill, Chico | 2 00 |
| Best collection of clover seeds | Mrs. J. H. Guill, Chico | 2 00 |
| Best collection of millet seeds | Mrs. J. H. Guill, Chico | 2 00 |
| Best collection of beet seeds | Mrs. J. H. Guill, Chico | 3 00 |
| Best six long blood beets | J. H. Guill, Chico | 1 00 |
| Best six turnip beets | James Hegan, Chico | 1 00 |

FIFTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|--------|
| Best half peck peppers | Grant Allinger, Chico | \$1 00 |
| Best six crookneck squashes | Grant Allinger, Chico | 1 00 |
| Best and largest pumpkins | James Hegán, Chico | 1 00 |
| Best three mountain sweet watermelons | Grant Allinger, Chico | 1 00 |
| Best green-fleshed muskmelons | Grant Allinger, Chico | 1 00 |
| Best three watermelons of any variety | J. A. Walker, Chico | 1 00 |
| Best three yellow-fleshed muskmelons | J. A. Walker, Chico | 1 00 |
| Best sample of field peas | J. H. Guill, Chico | 1 00 |
| Best sample of garden peas | J. H. Guill, Chico | 1 00 |
| Best sample of castor beans | Grant Allinger, Chico | 1 00 |
| Best purple eggplant | Grant Allinger, Chico | 1 00 |
| Best and greatest variety of peas | J. H. Guill, Chico | 1 00 |
| Best half peck Lima beans | J. A. Walker, Chico | 1 00 |
| Best half peck pole beans | J. A. Walker, Chico | 1 00 |
| Best twelve carrots | Grant Allinger, Chico | 1 00 |
| Best half peck white onions | Grant Allinger, Chico | 1 00 |
| Best half peck yellow onions | B. F. Allen, Chico | 1 00 |
| Best half peck red onions | J. A. Walker, Chico | 1 00 |
| Best six cucumbers | Grant Allinger, Chico | 1 00 |
| Best twelve ears green corn | James Hegán, Chico | 1 00 |
| Best twelve parsnips | J. A. Walker, Chico | 1 00 |
| Best table of vegetables exhibited by producer | J. A. Walker, Chico | 10 00 |
| Best exhibit of hanging baskets | Mrs. N. E. Batchelor, Chico | 2 50 |
| Best ornamental foliage plants | Mrs. C. G. Warren, Chico | 5 00 |
| Best rare and new plants | Mrs. C. G. Warren, Chico | 2 50 |
| Best greenhouse plants | Mrs. C. G. Warren, Chico | 2 50 |
| Best ten varieties cactus | Mrs. J. H. Guill, Chico | 2 00 |
| Best collection of flowering plants | Mrs. Thomas McKeown, Chico | 5 00 |
| Best fuchsias in bloom | Mrs. Thomas McKeown, Chico | 2 50 |
| Best display of bouquets | Miss Maggie Shannon, Chico | 2 50 |
| Best display of bread by married lady | Mrs. John Shannon, Chico | 5 00 |
| Second best | Mrs. M. V. Salmon, Chico | 2 50 |
| Best bread by unmarried lady | Miss Bee Patrick, Chico | 5 00 |
| Second best | Miss Maggie Shannon, Chico | 2 50 |
| Best lemon pies | Mrs. James V. Flint, Chico | 1 00 |
| Best butter | J. F. Entler, Chico | 2 50 |

SIXTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-------------------------------|--------|
| Best seedling oranges | Mrs. E. Heckart, | \$2 50 |
| Best peaches | Mrs. J. H. Guill, Chico | 10 00 |
| Second best | W. V. Groves, Chico | 5 00 |
| Best six varieties peaches | B. F. Allen, Chico | 5 00 |
| Best apples | W. V. Groves, Chico | 10 00 |
| Second best | A. Heckart, | 5 00 |
| Best twelve varieties apples | W. V. Groves, Chico | 5 00 |
| Second best | Mrs. J. H. Guill, Chico | 3 00 |
| Best six varieties apples | W. V. Groves, Chico | 2 00 |
| Second best | James Hegán, Chico | 1 00 |
| Best display of pears | Mrs. J. H. Guill, Chico | 10 00 |
| Second best | W. V. Groves, Chico | 5 00 |
| Best twelve varieties pears | B. F. Allen, Chico | 5 00 |
| Best six varieties pears | B. F. Allen, Chico | 2 00 |
| Second best | W. V. Groves, Chico | 1 00 |
| Best display of plums | W. V. Groves, Chico | 5 00 |
| Second best | Mrs. J. H. Guill, Chico | 2 50 |
| Best display of pomegranates | W. V. Groves, Chico | 2 50 |
| Best display of green figs | Fred. Wakefield, Chico | 5 00 |
| Second best | W. V. Groves, Chico | 2 50 |
| Best display of seedling fruits | W. V. Groves, Chico | 2 50 |
| Best nectarines | James Hegán, Chico | 2 50 |
| Best display of green fruits by producer | W. V. Groves, Chico | 20 00 |
| Second best | Mrs. J. H. Guill, Chico | 10 00 |

SIXTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|--------|
| Best three jars strawberry jelly | Mrs. Fred. Wakefield, Chico | \$2 00 |
| Best three jars dewberry jelly | Miss C. L. Heckart | 1 00 |
| Best three jars quince jelly | Miss C. L. Heckart | 2 00 |
| Best three jars yellow plum jelly | Miss C. L. Heckart | 50 |
| Best three jars purple plum jelly | Miss C. L. Heckart | 50 |
| Best three jars red plum jelly | Mrs. Fred. Wakefield, Chico | 50 |
| Best three jars cherry plum jelly | Miss C. L. Heckart | 50 |
| Best three jars blackberry jelly | Mrs. J. F. Entler, Chico | 2 00 |
| Best three jars currant jelly | Mrs. J. F. Entler, Chico | 2 00 |
| Best three jars raspberry jelly | Mrs. J. F. Entler, Chico | 2 00 |
| Best three jars gooseberry jelly | Mrs. J. F. Entler, Chico | 50 |
| Best three jars apple jelly | Mrs. Fred. Wakefield, Chico | 50 |
| Best blackberry jam | Mrs. J. F. Entler, Chico | 2 00 |
| Best raspberry jam | Mrs. J. F. Entler, Chico | 2 00 |
| Best branded peaches | Mrs. N. E. Batchelor, Chico | 2 50 |
| Best ten pounds honey in comb | J. F. Entler, Chico | 2 00 |
| Best strained honey | Mrs. J. F. Entler, Chico | 1 00 |
| Best display of pickles | W. V. Groves, Chico | 2 50 |
| Best display of preserves in glass | Mrs. N. E. Batchelor, Chico | 5 00 |
| Second best | Mrs. Fred. Wakefield, Chico | 3 00 |
| Best display of fruit in glass | W. V. Groves, Chico | 10 00 |
| Second best | Mrs. J. H. Guill, Chico | 5 00 |
| Best half peck English walnuts | W. V. Groves, Chico | 2 00 |
| Best two bushels peanuts | W. V. Groves, Chico | 2 00 |
| Best display of nuts | Mrs. J. H. Guill, Chico | 5 00 |
| Second best | W. V. Groves, Chico | 5 00 |
| Best display of soft-shell almonds | Mrs. J. H. Guill, Chico | 3 00 |
| Best display of dried pears | W. V. Groves, Chico | 2 00 |
| Best display of dried peaches | B. F. Allen, Chico | 2 00 |
| Best display of dried plums | W. V. Groves, Chico | 2 00 |
| Best display of dried apricots | W. V. Groves, Chico | 2 00 |
| Best display of dried apples | W. V. Groves, Chico | 2 00 |
| Best display of dried nectarines | W. V. Groves, Chico | 2 00 |
| Best display of dried figs | Mrs. R. Breslauer, Chico | 2 00 |
| Best display of dried prunes | Mrs. J. H. Guill, Chico | 2 00 |
| Best twelve varieties table grapes | W. V. Groves, Chico | 5 00 |
| Best six varieties table grapes | W. V. Groves, Chico | 3 50 |
| Best and greatest variety of grapes | W. V. Groves, Chico | 5 00 |
| Best raisin grapes | Mrs. J. H. Guill, Chico | 3 00 |
| Best three varieties grapes | B. F. Allen, Chico | 1 00 |
| Best display of sweet cider | W. V. Groves, Chico | 2 50 |
| Best hard cider | W. V. Groves, Chico | 2 50 |
| Best cider vinegar | W. V. Groves, Chico | 2 50 |
| Best wine vinegar | Mrs. Fred. Wakefield, Chico | 2 00 |
| Best display of dried fruits by producer | B. F. Allen, Chico | 20 00 |
| Second best | W. V. Groves, Chico | 10 00 |
| Best display of silk cocoons | Mrs. E. Findley | 10 00 |
| Best reeled silk | Mrs. E. Findley | 8 00 |

SEVENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-------------------------------------|-----------|
| Best oil painting | Miss Kate Conger, Chico | \$10 00 |
| Second best | Miss Kate Conger, Chico | 5 00 |
| Best painting (portraiture) | Miss Lillian O'Ferrall, Chico | 10 00 |
| Best water color painting | Miss M. H. Shippee, Nelson | 5 00 |
| Best oil painting on textile fabrics | Miss Lillian O'Ferrall, Chico | 5 00 |
| Best collection of paintings | Miss Kate Conger, Chico | 10 00 |
| Best kensington painting | Miss Alice Snyder | 3 00 |
| Best landscape from nature | Mrs. K. H. Boydston, Dayton | Sp. 10 00 |
| Best crayon drawing | Miss Fannie White, Chico | 5 00 |
| Best pencil drawing | Miss Fannie White, Chico | 5 00 |
| Best oil painting copy by child | Miss Mamie Breslauer, Chico | 2 50 |
| Best landscape drawing by child | Miss Josie Kenrick | 2 00 |
| Best animal drawing by child | Miss Josie Kenrick | 2 00 |
| Best collection of photographs | L. A. Sprague, Chico | 10 00 |

SPEED PROGRAMME.

TUESDAY, AUGUST 25, 1891.

RACE No. 1—RUNNING.

Purse, \$200. Three quarters of a mile and repeat.

| | | | |
|---|---|---|------|
| Dennison Bros.' Joe Harding, by Joe Hooker; dam, Irene Harding..... | 2 | 1 | 1 |
| Northern Stable's Canny Scot, by Leinster; dam, Tibbie Dunbar..... | 1 | 2 | 2 |
| James Ball's Alfred B..... | 3 | 3 | r.o. |
| E. A. Neames' Lady Gwen, by Joe Daniels; dam, Emma..... | 4 | 4 | r.o. |

Time—1:18½; 1:17½; 1:17.

RACE No. 2—PACING.

For untried pacers. Purse, \$400. Mile heats, best three in five.

| | | | | | |
|--|------|---|---|---|---|
| W. L. Johnston's Monroe I, by Monroe Chief; dam, Belle Alta..... | 1 | 3 | 3 | 1 | 1 |
| Howard Brothers' Howard St. Clair..... | 2 | 1 | 1 | 3 | 2 |
| B. V. Sargent's Keno, by Jim Mulvenna; dam, Hattie S..... | 3 | 2 | 2 | 2 | 3 |
| S. H. Montgomery's Lady Tolman; by Frank Tolman; dam, by Signal..... | dis. | | | | |
| C. H. Corey's Laura M, by Almont Patchen; dam, Lady Fay..... | dis. | | | | |

Time—2:20; 2:23; 2:27½; 2:27; 2:25.

RACE No. 3—TROTTING.

3:00 Class. Purse, \$500. Mile heats, best three in five.

| | | | | |
|---|---|------|---|---|
| J. L. McCord's Shylock, by Tom Benton; dam, Brown Jennie..... | 2 | 1 | 1 | 1 |
| A. W. Boucher's General Logan, by Alex Button; dam, by St. Clair..... | 1 | 2 | 2 | 2 |
| Hugh Willis' Our Jack, by Gibraltar; dam, Mattie W..... | 3 | 3 | 3 | 3 |
| G. W. Woodard's Doc Button, by Alexander; dam, Betsy Button..... | 4 | dr. | | |
| C. Stimpson's Harley, by Kentucky; dam, Pacific Maid..... | 5 | dis. | | |

Time—2:23½; 2:24½; 2:25; 2:28.

WEDNESDAY, AUGUST 26, 1891.

RACE No. 4—RUNNING.

Purse, \$200. One half mile and repeat.

| | | |
|--|---|------|
| A. D. Harrison's Lyda Ferguson..... | 1 | 1 |
| J. H. Muse's Dewdrop, by Joe Hooker; dam, Toddy..... | 3 | 2 |
| Ashcroft & Johnston's Legal Tender, by Ironclad; dam, by Hercules..... | 4 | 3 |
| James Watt's Amazon, by Mohawk; dam, unknown..... | 2 | dis. |

Time—0:48½; 0:48½.

RACE No. 5—RUNNING.

Purse, \$200. One mile.

| | |
|--|---|
| J. H. Muse's Wild Oats, by Wildidle; dam, Mary Givens..... | 1 |
| J. Shewes' Emma D, by Monarch; dam, Lady Cleveland..... | 2 |
| Northern Stable's Nighttime, by Joe Hooker; dam, Puss..... | 3 |

Time—1:48.

RACE No. 6—TROTTING.

2:35 Class. Purse, \$500. Mile heats, best three in five.

| | | | |
|---|------|---|---|
| C. H. Corey's Rockwood, by Wetherhead's Woodnut; dam, Lady Washington | 1 | 1 | 1 |
| M. Biggs, Jr.'s Ed. Biggs, by Brigadier; dam, thoroughbred | 6 | 3 | 2 |
| G. W. Woodard's Kehoe, by Alex Button; dam, Sibyl | 3 | 4 | 3 |
| T. C. Snider's Chloe, by Dexter Prince; dam, by Hawthorne | 4 | 2 | 5 |
| J. F. Ellison's W W, by Tilton Almont; dam, Sallie | 2 | 5 | 4 |
| W. Doty's Billy Doty, by Brigadier; dam, Maud D | dis. | | |

Time—2:29½; 2:29½; 2:30.

THURSDAY, AUGUST 27, 1891.

RACE No. 7—RUNNING.

Purse, \$250. Mile heats, best two in three.

| | | |
|--|------|---|
| J. H. Muse's Wild Oats, by Wildidle; dam, Mary Givens | 1 | 1 |
| Dennison Bros.' Dave Douglas, by Leinster; dam, Lily Simpson | 2 | 2 |
| John Shewes' Emma D, by Monarch; dam, Lady Cleveland | dis. | |

Time—1:48½; 1:45.

RACE No. 8—PACING.

2:28 Class. Purse, \$500. Mile heats, best three in five.

| | | | | |
|---|---|---|---|---|
| B. V. Sargent's Kenos, by Jim Mulvenna; dam, Hattie S | 1 | 1 | 3 | 1 |
| John Corcoran's San José | 3 | 2 | 1 | 3 |
| T. P. Hendrick's Lota, by Singleton; dam, Ophir | 2 | 3 | 2 | 2 |

Time—2:29; 2:29½; 2:30; 2:27½.

RACE No. 9—TROTTING.

For two-year olds. Purse, \$250. Mile heats, best two in three.

| | | |
|---|---|---|
| H. S. Hogoboom's Lucky B, by Prompter; dam, Jessie N | 1 | 1 |
| L. H. McIntosh's Lucy W, by Arthur Wilkes; dam, by Singleton | 3 | 2 |
| A. L. Hinds' Hera, by Mambrino Wilkes; dam, by Conductor | 2 | 3 |
| D. E. Knight's King of the Ring, by Silver King; dam, Nighthawk | 4 | 4 |

Time—2:44½; 2:40½.

FRIDAY, AUGUST 28, 1891.

RACE No. 10—RUNNING.

Purse, \$200. One and one eighth miles.

| | |
|--|---|
| J. H. Muse's Wild Oats, by Wildidle; dam, Mary Givens | 1 |
| Dennison Bros.' Dave Douglas, by Leinster; dam, Lily Simpson | 2 |
| E. A. Neames' Lady Gwen, by Joe Daniels; dam, Emma | 3 |
| Northern Stable's Nighttime, by Joe Hooker; dam, Fuss | 0 |

Time—1:50½.

RACE No. 11—TROTTING.

For three-year olds.

| | |
|--|-------|
| G. W. Woodard's Lucy Button, by Alex Button; dam, Lucy | w. o. |
|--|-------|

Time—2:40.

RACE No. 12—TROTTING.

For four-year olds. Purse, \$400. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| C. A. Durfee's McKinney, by Alcyone; dam, by Gov. Sprague | 1 | 1 | 1 |
| Hugh Willis' Our Jack, by Gibraltar; dam, Mattie W | 2 | 2 | 2 |
| L. H. McIntosh's Le Grande, Jr., by Le Grande; dam, Belle Alta | 3 | 3 | 3 |

Time—2:33½; 2:33; 2:34½.

SATURDAY, AUGUST 29, 1891.

RACE No. 13—TROTTING.

For yearlings. Purse, \$150. One mile dash.

| | |
|---|---|
| F. L. Duncan's Woodburn Wilkes, by Signal Wilkes; dam, Gold Elsie | 1 |
| Mount & Willfeldt's Escort, by Guide; dam, May Girl | 2 |
| W. M. Billups' Marvel B, by Boydell; dam, Rosalie | 3 |

Time—3:20½.

RACE No. 14—TROTTING.

2:27 Class. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| G. W. Woodard's Laura Z, by Alex Button; dam, Black Dolly | 1 | 1 | 1 |
| S. K. Trefry's Dinah, by Little Billy; dam, by Terror | 2 | 2 | 3 |
| C. F. Taylor's Sydney J, by Revolution; dam, by Friday McCracken | 3 | 3 | 2 |

Time—2:25½; 2:24½; 2:27.

SPECIAL—TROTTING.

Match race, \$50 a side. Mile heats, best two in three.

| | | |
|--------------------------------------|---|---|
| L. H. McIntosh's Arthur Wilkes | 1 | 1 |
| T. C. Snider's Chloe | 2 | 2 |

Time—2:35; 2:37½.

SPECIAL—TROTTING.

To beat 2:29½. Purse, \$50.

| | | | |
|-------------------------------|---|---|---|
| W. R. Merrill's Annie E | 1 | 1 | 2 |
| Time | 2 | 2 | 1 |

Time—2:28½; 2:26½; 2:30.

RACE No. 15—PACING.

2:20 Class. Mile heats, best three in five.

| | | | | | | |
|---|---|---|---|---|---|---|
| Hugh Willis' Our Dick, by Gibraltar; dam, Mattie W | 1 | 2 | 1 | 0 | 2 | 1 |
| R. H. Newton's Tom Ryder, by Alex Button; dam, by Black Ralph | 3 | 1 | 2 | 2 | 1 | 3 |
| G. W. Woodard's Belle Button, by Alex Button; dam, by St. Clair | 2 | 3 | 3 | 0 | 3 | 2 |

Time—2:19½; 2:18½; 2:18½; 2:21; 2:24; 2:17.

TRANSACTIONS

OF THE

FOURTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the Counties of Sonoma and Marin.

OFFICERS OF THE ASSOCIATION.

| | |
|-----------------------------|------------|
| J. H. WHITE..... | President. |
| THOMAS MACLAY | Secretary. |
| PETALUMA SAVINGS BANK | Treasurer. |

DIRECTORS.

| | |
|--------------------|--------------|
| J. H. WHITE | Lakeville. |
| F. C. DE LONG..... | Novato. |
| H. MEACHAM..... | Stony Point. |
| ROBERT CRANE..... | Santa Rosa. |
| P. J. SHAFTER..... | Olema. |
| WM. ZARTMAN..... | Petaluma. |
| A. L. WHITNEY..... | Petaluma. |
| S. I. ALLEN | Santa Rosa. |

REPORT.

PETALUMA, December 1, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Fourth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

THOMAS MACLAY,
Secretary.

RECEIPTS AND EXPENDITURES.

| <i>Receipts.</i> | |
|---|--------------------|
| State appropriation | \$3,000 00 |
| Futurity stake | 265 00 |
| District colt stakes | 630 00 |
| Free-for-all colt stakes | 955 00 |
| Membership | 200 00 |
| Manure | 20 00 |
| Suspensions | 188 00 |
| Privileges | 3,236 95 |
| Special premiums—by President J. H. White | 30 00 |
| Rent of grounds | 225 00 |
| Entrances to races | 2,210 00 |
| Gate and grand stand | 4,500 65 |
| Hay | 52 74 |
| Advertisements | 238 00 |
| Petaluma Street Railway Co. | 51 00 |
| Donation—by President J. H. White | 200 00 |
| | <hr/> |
| Amount of overdraft to balance account | \$15,952 34 |
| | <hr/> |
| | 236 33 |
| | <hr/> |
| | <u>\$16,188 67</u> |
| <i>Expenditures.</i> | |
| Labor on grounds and in Pavilion | \$735 10 |
| Repairs | 261 24 |
| Permanent improvements | 1,324 38 |
| Stock premiums | 968 00 |
| Stock premiums, 1890 | 97 00 |
| Pavilion premiums | 1,097 00 |
| Printing and advertising | 817 80 |
| Trotting and pacing stakes and purses | 7,495 00 |
| General expenses | 8,313 15 |
| | <hr/> |
| | \$16,188 67 |

| Dr. | | FINANCIAL EXHIBIT. | | Cr. | |
|------------------------------|------------|--------------------|--|------------|------------|
| Outstanding note, 1890 | \$5,000 00 | Balance | | \$9,526 29 | |
| Overdraft, 1890 | 8,834 96 | | | | |
| Futurity stake, 1890 | 190 00 | | | | |
| Overdraft, 1891 | 236 33 | | | | |
| Futurity stake, 1891 | 265 00 | | | | |
| | <hr/> | | | | |
| | \$9,526 29 | | | | |
| | <hr/> | | | | |
| | | | | | <hr/> |
| | | | | | \$9,526 29 |

ANNUAL ADDRESS

DELIVERED BEFORE THE SONOMA AND MARIN DISTRICT AGRICULTURAL SOCIETY ON THURSDAY EVENING, AUGUST 27, 1891.

By MRS. ANNA MORRISON REED.

MR. PRESIDENT, OFFICERS AND MEMBERS OF THE AGRICULTURAL ASSOCIATION, LADIES AND GENTLEMEN: It was the immortal Horace Greeley who said that the rural districts would save the country. And a careful contemplation and summing up of the agricultural outlook in America to-day will prove that there is more truth than poetry in his time-honored assertion. No greater thing than this has any man done for his country—that he has died for it.

But next to the martyred patriot stands the law-abiding citizen, who is loyal to the best interests of the land in which he lives, who honors it by the honesty of his vocation and the purity of his character, and uses the means at his command, combined with his best thought and labor, to develop its resources and adorn with taste and judgment that part of it which he has chosen for his abiding place.

Preëminent, in this respect, stand the people who have chosen to go forth into the remote places of our country, fearless of privation and self-denial, to develop, by the severest toil, its hidden resources. Such men, in our own State, after coming in earlier days across the seemingly endless plains with ox teams and mule teams and mixed teams, menaced by dangers uncounted, scourged by hunger and disease, or round the Horn, before the mast, braving the more dreaded perils of the sea—shouldered their blankets and went to the mines to look for gold, the best known product of this country at the time. These men did not come at the beginning to make an agricultural conquest of California. Conversation with any of the pioneer population will assure you of how little the first comers suspected the great agricultural and horticultural wealth of California.

It is the constant theme of speeches and at pioneer banquets and reunions—how little value was placed upon the soil. Yet, standing upon the shore of Suisun Bay, looking northward up the great Sacramento Valley, in June, if the eye could reach over its length and breadth, it would sweep a field three hundred and fifty miles long by an average of sixty miles wide, covered, with scarcely an interruption, with wheat—one broad wheat field, embracing an area of country almost equal to the State of Indiana. The pioneer will tell you that the existence of this capacity for cereal production was not suspected until many years after the first settlement of the country. It was a hidden secret to some, because of the power of habit and tradition upon the mind.

Men inherit their aptitudes, and traditions long descended have their influence upon faculty, or rather facility, for accomplishing an object. The corn and wheat raisers of the Northern States missed the showers of June and July which conferred growth upon their crops and kept the

meadows green in their northern homes. In short, California was not an agricultural country, if the art of agriculture, as taught us by our fathers, was to be adopted as the standard of judgment. Here conditions of soil and climate differed, and an art of agriculture must be adopted suitable or supplementary to those conditions. The seasons of seed time and harvest must be understood. The hard and unresponsive soil of the great plains of the Sacramento and San Joaquin Valleys, parched under a rainless sky and a burning sun, and swept by the hot north winds, looked wholly uninviting to eyes accustomed to the genial showers of summer rain, and the vivifying influence of clouds and storms. Our agricultural wealth was a secret to others, because they came here with no thought or intention to make a home.

The discovery of gold in California attracted to her shores nearly all the civilized and semi-civilized races. And never was a country so fair, and blessed by God and nature, so despoiled as was California, by the large majority of those who first reached her shores after the discovery of gold. No, they did not come here to make homes—the man broken in fortune, the penniless youth, the wily adventurer. They looked upon California as the El Dorado of their hopes. They lusted for her golden ore. They scarred her fair face and tore from her bosom her most available treasure, and bore it unthankful from her shores. Thus she was ravaged of thousands of dollars by those who had not one thought of her improvement and development. And the wealth that she herself had furnished, and that if expended here would have made her blossom as the rose, was borne away to enrich and embellish homes in less congenial climes.

The influence of this spirit of plunder, this feverish desire for sudden wealth that is not legitimately earned, this gambling spirit, has come down to us as a blighting inheritance, and is still too much abroad among us for the best prosperity of the State. It brought upon us the mining stock era—that reign of financial terror from which we are but now recovering; and, although some have survived it—the possessors of fortune and character—too many sank, physical, mental, moral, and social wrecks, beneath the maelstrom of its financial ruin.

Though the devastation of our people by mining stock deals is ceasing, we have yet our wheat deals and other forms of speculative gambling, and the products of our State are handled and debased by the men who represent no legitimate form of traffic. If the vice were confined to this class, the effect upon the masses would not be so disastrous, but the example and the temptation to acquire sudden wealth are often too much for the ordinary producer, and turn him into the speculator or even the gambler.

Too many of our wealthy men think only of wringing the last cent of revenue from their landed possessions at the least expense or investment, to support families in style in cities or to send them globe-trotting to Europe. They educate their girls to adorn fashionable society, where they buy, with the easily earned millions of their fathers, some titled foreign loafer for a husband.

It is a shame to the parents of America that patriotism, and pride of country, and love of home are so neglected in the education and social life of our wealthier classes. It is a shame to American girls, a rebuke to American womanhood, that they can so far forget the love and honor due to the land of their nativity, and so often sacrifice their glorious

birthright for a "mess of pottage," and marry foreign adventurers and go to raise subjects for Queen Victoria or the German Emperor, when they might be the wives of intelligent and honest Americans and the mothers of free men.

Our boys, in the large majority, are educated for kid-glove professions, whose income is often the product of human misery.

There is a constant tendency toward the cities. All our education tends to this direction. Too many of our young people are educated to professional employments and too few to rural pursuits. The result is seen in California in the dilapidated premises misnamed "farm houses." In many of the great valleys of our State there is scarcely to be seen a comfortable, home-like house. For two hundred miles in the Sacramento Valley, and for three hundred in the San Joaquin, you may travel without seeing scarcely a tree planted to shade a country home. The cooking is done by Chinese, the wife and daughters reside in some distant city, the farmer leads a wretched bachelor life, surrounded by brutal farm hands, who sleep in straw.

Long before that noble old citizen and ablest of all the California leaders under the Mexican rule, Gen. M. G. Vallejo, had planned that pretty town; long before this, while California was almost a mythical land to the world at large, and its immense golden store not even a dream to the wakened years, a Russian settlement was founded within your borders. On Bodega Bay, in 1812, this settlement was made, afterwards moving inland, where a fort, or stockade, of redwood, was built. This fort still stands, a monument to the audacity of the Russians, who defied both natives and Californians alike, and a proof of the indestructibility of your noble redwood timber. Historians tell us that they had a church in the fort, factories on the outside, farmed on an extensive scale in Bodega, and acted as though they had come to stay. General Vallejo wittily said of them "that they were the first squatters in California." But they gave your section its first test in stock raising and agriculture, and Fort Ross supplied Monterey, the capital of California, with butter, cheese, and flour as early as 1818. Sonoma has had the honor of having within its borders a church with a full chime of bells, and of exporting its agricultural products before the footfall of a Californian had been heard north of the bay of San Francisco. Faint echoes of this Muscovite occupation of your district come to us in the names of Russian River and Mount St. Helena, named for the Empress of Russia by her faithful subjects.

It is useless for me to take the time to recount to you the details of the agricultural improvement and development of your beautiful counties from the time of this Russian invasion to the present, or to tell how these early experiments led to your present prosperity and wealth. In Marin, with its lovely homes and pasture lands of perennial green, where every foot of land, from its bays to its farthest inland boundaries, will be reclaimed and made beautiful and valuable beyond price; and in Sonoma, with its frontage of sixty miles on the Pacific Ocean and twenty on the bay of San Francisco, its three systems of beautiful valleys, where drought is unknown, and the greatest rainfall in our State, insures no failure of crops.

I have not space, nor language, to do justice to the beauty of your scenery and the number and value of your productions, from the unequalled milk and butter of Marin, to the inexhaustible lumber

region of Sonoma, with her fruit and wool, corn, oil, and wine, and unexcelled live stock; not forgetting your mineral springs, nature's own founts of healing, where the suffering from every clime come for relief. It will not be news to tell you that the combined products of your district amount to millions of dollars annually, nor that your district is not only one of the richest in our State, but will stand the test of comparison with any agricultural district in the United States.

Perhaps you would appreciate better your advanced state of improvement and your beautiful homes if you could glance at the border sections and take a look into some of our unimproved northern valleys—valleys where the natural scenery is as beautiful as a dream, the water cold and pure and the atmosphere a natural tonic; where the soil is deep and fertile and well watered, giving spontaneous life and growth to much that is good and beautiful for the use and contemplation of man; where at morning and evening the wondrous lights and shadows clothe nature in her loveliest and tenderest aspects, that would make the paradise of the artist or the poet. If you could see these valleys that have been inhabited for thirty odd years by a class of people that, with few exceptions, have ravaged and plundered nature for a living, and served to make with their habitations a blot on the universal beauty of the place, fishing from the streams, killing song birds and everything of beauty to satisfy most plebian appetites with food fit for the gods; literally slaying the deer—those beautiful personifications of the spirit of the woods—often for their hides alone; where you will see planted no tree nor flower around the homes, that are generally propped up on the leeward side; where there are none of the luxuries and few of the conveniences and comforts of civilized life; where the housewife still boils the clothes in the pot that they scald the hogs in; where that predatory animal has roamed and rooted for nearly forty years—not the gentle-bred Berkshire, Essex, Lancashire, or Chester White, whose points and pedigree might condone somewhat the faults of his species, but the regular “hazel-splitter,” “Arkansas toothpick,” “razor-back” hog, long-snouted and lop-eared—while the incense from the fried remains of others of his kind and the odor of saleratus biscuit and burnt coffee have floated over the scene of general desecration.

A contemplation of these things as they exist, and their painful contrast with your own surroundings, would certainly make you as proud of your improvements and your beautiful homes as you ought to be. The home builder is the mainstay of the nation. As the greatest rebuke to the English Government to-day is her people bereft of homes—the Irish, with their love of home and native land stronger than life itself, and no land or home or flag to call their own—so the shame of America is her people provided generously by our Government with homes, who have no love of home, who prefer to be boarders in the land of their birth; the only country on the face of the globe where we find that social and financial anomaly—the homeless millionaire. Many such have wrung from California their great wealth and left her in the lurch. We find in their plans of life no thought for her development or good, and they are guilty of a kind of treason and the basest ingratitude to the land that has made possible their immense prosperity.

We have the largest territory on the face of the earth, by soil and climate rendered habitable for the white race. It is peopled by only

sixty-four million. Of these—the entire population of the United States—about one fourth cluster within a radius of two hundred miles of New York City, that great commercial center that bids fair to become the great financial center of the world.

There is a significance in these facts for our agricultural masses to think about. With so many engaged in the commercial pursuits here, and the constant cry of hungry Europe demanding our wheat and breadstuffs, the need of producers is continually increasing.

I was impressed some time ago by this beautiful tribute to the American farmer by Prof. C. S. Walker, of Amherst College, Massachusetts. He said: "Heretofore, in all parts of the world, the farmer has been no match for his adversary. He has never held his own against the soldier or the priest, against the politician or statesman. In ancient times he was a slave, in the middle ages a serf, and in the nineteenth century he is slave, serf, peasant, or proprietor, according to location. American farmers, as a class, are face to face with a crisis. They have subdued a continent and furnished raw material for our factories, bread for our operatives, and manhood for our civilization. They have sustained the nation's credit with their hard-earned dollars, rescued endangered liberty with their conscientious ballots, and defended, time and again, the stars and stripes with their loyal blood."

Vigorous in body, strong in character, striking in individuality which savors of home, massive in common sense, fertile in resources, devout believers in Providence, the farmers of America will never allow themselves to be overwhelmed by the fate that sunk the tillers of the soil in India, in Egypt, or in Europe.

The wheat crop of Northern California will bring to the coffers of the wheat growers this year many millions of dollars in gold coin. And the drunkenness of harvesting and thrashing crews, the impoverishment of the soil, the defertilization of our great wheat lands, the degradation of the laboring population, the filth and squalor in which they live who produce that wheat—the sweat, and the blood, leave no trace upon the gold.

Our great land owners have grown rich, but no great people, no great commonwealth, was ever founded upon city occupations and city life. The destruction of the agricultural spirit means the destruction of higher manhood, and the higher virtues of manhood.

"Ill fares the land, to hastening ills a prey,
Where wealth accumulates and men decay."

The new life and new growth that sprang up in Southern California were due almost entirely to the fact of large holdings being broken up, where beautiful homes succeeded to the "ranch," that ornamental grounds, with orchards, trees, and flowers, have taken the place of broad, uninviting, hot plains.

And with this change of condition, there is observable a change in the character of the people who offer themselves for employment in rural pursuits. On account of the scarcity of rural homes in California, the farm laborers have not been treated as they are in older parts of the country. They were required to furnish blankets and sleep in straw. They were fed in moving hotels, on wheels, under a burning sun. There have been but few home comforts afforded here to the farm laborer.

In the Eastern States farm laborers are a part of the family. They eat at the table with their employers—they are self-respecting citizens of this republic.

Every employment first attracts the character of the people willing to engage in that employment. Make the employment of men brutal, and you must depend upon a brutalized class to fill the positions it offers; a class that will become more embruted by the character of its treatment. The Chinese have substituted themselves for the higher races in California, because the employment offered involved the personal degradation of meals eaten hog-fashion, out of a trough in a wagon, in the field—where the bed chamber was found in the straw stack, or in the stable with the horses. The Chinese question will solve itself, as soon as the character of the employment afforded to the young men of the Anglo-Saxon race is worthy the dignity of a man. And there is a dignity, an honor, an independence, in a country home, engaged in rural and agricultural pursuits that no profession can ever know. The man who realizes this, who teaches his children these truths, who makes a home in the country, and adds a yearly increase of value by improvements to his property, who pays his taxes cheerfully, votes conscientiously, and whose life attests that he understands and appreciates the motives of the founders of this great commonwealth, is the true citizen. It has been truly said that as individuals we sow an act and reap a habit, sow a habit and reap a character, sow a character and reap a destiny.

That which is true of individuals is true of communities and of nations.

Life, as far as our own experiences are concerned, may be a passing dream. But the labors of our lives—be they of hand or brain—the name we leave after us, and the home, these things we mark indelibly with our personality. These are the realities that shall speak to those coming after us. These, indeed, are the tell-tales of our lives. But a few of those who came in earlier times, finding the scenery of California of unsurpassed beauty, its soil so fertile that under favorable conditions the amount and variety of its productions would surpass belief, began experiments in agriculture. Some of these failed, for there were no books on the subject of agriculture to which they might appeal for standards of experience. They had to learn all entirely in the school of experiment. Against the discouragements of doubt and the skepticism of advice a few began the agricultural conquest. Battling against the disadvantages of a new experience as to soil and climate, they solved the problem of irrigation, mastered the resources of the land, and, displacing the "rocker," the sluice, and the "Long Tom" with the implements of agricultural labor, they have developed many parts of California into gardens of plenty and delight—where the pine and the palm nod recognition to each other; where the flame of the scarlet pomegranate kisses the gold of the orange; where the fruit of a thousand climes, and the flowers of the Occident and the Orient mingle their fragrance in perpetual blossoming. All honor to these first brave pioneers in the work of agricultural experiment and triumph. All honor to them to-day, be they rich or poor, for the vicissitudes of fortune are often unaccountable. All honor to them, be they alive or dead. It is sufficient for us to know of them that when they looked upon the fair face of our State they were not blind, when the voice of her promise

reached them they were not deaf, and that their lives and labors have interpreted most eloquently for us the glorious meaning of California in the great plan of creation. When I think of them and the blessings that the work of their brave hands has made possible for us, the beautiful lines of the Rev. Edward Everett Hale—in which he has paid, in words of living eloquence, a tribute to the pioneer—recur to me, and I say, with him:

What was his name? I do not know his name,
 I only know he heard God's voice and came,
 Brought all he had across the sea,
 To live and work for you and me;
 Felled the ungracious oak,
 And from the soil, with horrid toil,
 Dragged the thrice-quartered roots and stubborn rocks;
 With plenty piled the rugged mountain side,
 And at the end without memorial died.
 No blowing trumpets sounded forth his fame—
 He lived; he died; I do not know his name.
 No form of bronze, and no memorial stones,
 Show me the spot where lie his moldering bones;
 Only a cheerful city stands,
 The work of his brave heart and hands;
 Only ten thousand homes, where day by day the cheerful play,
 Of love, and hope, and courage comes.
 These are his monuments, these alone;
 There is no form of bronze, and no memorial stone.
 And I,
 Is there not some desert, or some sea,
 Where thou, good God of Angels, wilt send me?
 Some oaks to rend, some sod, some rocks to break,
 Some handful of thy corn to take,
 And sow it far afield,
 Till it doth yield
 A hundredfold, of grains of gold,
 To feed the waiting children of my God;
 Show me the desert, Father, or the sea;
 Is it thine enterprise? Then send me.

It is your pleasure and honor to know that in the two counties that comprise this district, whose agricultural society has inaugurated this fair, the agricultural conquests of Northern California began. You are all, no doubt, familiar with the fact that long before that nucleus of the town of Sonoma—the mission of San Francisco Solano—the last, and most northerly of the Spanish missions, was founded in 1823.

From all parts of this land farmers are coming together; organization and coöperation are the wonderful ideas that have awakened them as never before. They are grasping hands with a grip that means something, comparing ways and means, uniting upon ends to be gained. They demand for themselves and their children education equal to the best, and they insist upon a fair share of the profits of American industry—claiming that no State can long exist in which the tillers of the soil bear most of the burdens and share little of the blessings of advancing civilization. Whatever of bodily vigor, mental power, and moral heroism the educated farmer has acquired from ancestors, college, or university, he will need, that he may consecrate himself to the great work of strengthening his brethren—the farmers of America—so that they shall ever remain the immovable foundation of this, the only republic whose empire has not been rapidly undermined. That which is true of the farmers of America applies to the California farmer. He has in the future the prosperity of our State to sustain. The more thorough and intelligent his methods, the greater will be his independence and the independence and welfare of our State.

Our pioneer population is passing away. The responsibilities, as well as the blessings that they have secured for us, are descending to the young people of California. Let us hope that they realize fully their position and their opportunities. We can wish them no greater good than that they secure homes—a little of the land in which they live. There we shall leave them, only yet in the morning of our history and the dawn of the development of our countless resources, while—

To the Native Sons of the Golden West,
The genius of this bright century sings;
In a land where the kiss of the sun on her breast,
Gives life to a thousand beautiful things.

Where the golden orange, and scarlet fire
Of fragrant pomegranate blossoms shine;
Where tropical beauty and northern balm
Blend in the shadows of palm and pine.

To the Pioneer, and the Native Son,
Give honor, oh land of the Golden West!
One's work is over, but just begun
For the other, for honor and fame the quest.

Happy the homes in a radiant land,
And happy the maidens who will be blest,
In a country united in heart and hand,
By the love of the Sons of the Golden West.

To the Native Sons of the Golden West,
The Century's Genius, pathetic sings—
Not alone of the past, but a future blest
By a countless treasure of beautiful things.

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|-------------------------------------|--------|
| CLASS I—THOROUGHBREDS—STALLIONS. | | |
| Sonoma Boy, two years old | J. Biggins, Sonoma | \$7 00 |
| MARES. | | |
| Fanny Parnell, four years old | J. Biggins, Sonoma | 10 00 |
| CLASS II—STANDARD TROTTERS—STALLIONS. | | |
| Alcona, Jr., four years old and over | Shea & McLafferty, Santa Rosa | 20 00 |
| Mortimer, four years old and over | Wilfred Page, Penn's Grove | 7 00 |
| Alcona C, three years old | Robert Crane, Santa Rosa | 12 00 |
| Anteo De Turk, two years old | Robert Crane, Santa Rosa | 7 00 |
| Ecce, under one year | Wilfred Page, Penn's Grove | 3 00 |
| Holdfast, under one year | Wilfred Page, Penn's Grove | 1 00 |
| Eclectic and family | Wilfred Page, Penn's Grove | 15 00 |
| MARES. | | |
| Minnie D, four years old and over | Robert Crane, Santa Rosa | 10 00 |
| Leoline, four years old and over | Wilfred Page, Penn's Grove | 5 00 |
| Rayanette, two years old | Robert Brown, Petaluma | 5 00 |
| Louisa Wilkes, two years old | S. H. Sheplar, Santa Rosa | 2 00 |
| Melina, one year old | Wilfred Page, Penn's Grove | 4 00 |
| Early Bird, one year old | Robert Crane, Santa Rosa | 2 00 |
| Emelita, under one year | Wilfred Page, Penn's Grove | 3 00 |
| Itata, under one year | Wilfred Page, Penn's Grove | 1 00 |
| Minnie D and family | Robert Crane, Santa Rosa | 10 00 |
| CLASS III—ROADSTERS—STALLIONS. | | |
| Alto, four years old and over | M. O'Reilley, Petaluma | 20 00 |
| Black Prince, four years old and over | M. Engel, Petaluma | 7 00 |
| St. Eric, three years old | S. H. Sheplar, Santa Rosa | 12 00 |
| Allie Jay, three years old | J. P. Rodehaver, Petaluma | 5 00 |
| Sableham, two years old | Wilfred Page, Penn's Grove | 7 00 |
| Douglas, one year old | Harris & Knapp, Santa Rosa | 4 00 |
| Fred Johnson, one year old | J. Biggins, Sonoma | 2 00 |
| Bob Burns, under one year | D. Walls, Petaluma | 3 00 |
| Alto and family | M. O'Reilley, Petaluma | 15 00 |
| MARES. | | |
| Ada, four years old and over | Harris & Knapp, Santa Rosa | 10 00 |
| Clara B, four years old and over | Wilfred Page, Penn's Grove | 5 00 |
| Maggie, two years old | J. Grimes, Petaluma | 5 00 |
| Secret, one year old | F. J. Shafter, Olema | 4 00 |
| Young Prairie Flower, under one year | Harris & Knapp, Santa Rosa | 3 00 |
| Treasurer, under one year | J. Biggins, Sonoma | 1 00 |
| Clara B and family | Wilfred Page, Penn's Grove | 10 00 |
| CLASS IV—CARRIAGE, SADDLE, AND GENTS' ROADSTERS. | | |
| Baxter and Add, carriage team | H. Brooks, Windsor | 10 00 |
| Tony and Bird, carriage team | J. Purrington, Santa Rosa | 4 00 |
| John L, single roadster | D. Mizner, Petaluma | 5 00 |
| Jim Garfield, single roadster | J. Grimes, Retaluma | 2 00 |
| —, saddle horse | Harris & Knapp, Santa Rosa | 4 00 |
| Prince, saddle horse | Ned White, Lakeville | 5 00 |
| Bessie, saddle horse | Josiah White, Lakeville | 5 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|---------|
| CLASS V—NORMANS AND OTHER FRENCH DRAFT BREEDS—STALLIONS. | | |
| Lami, four years old and over | Theo. Skillman, Petaluma | \$20 00 |
| Lignent, four years old and over | Theo. Skillman, Petaluma | 7 00 |
| Prince Royal, two years old | Hill & Rodehaver, Petaluma | 7 00 |
| General Boulanger, two years old | Theo. Skillman, Petaluma | 3 00 |
| Adonis, one year old | Theo. Skillman, Petaluma | 4 00 |
| Jack, one year old | Hill & Rodehaver, Petaluma | 2 00 |
| MARES. | | |
| Rosa, two years old | Wm. Hill, Petaluma | 5 00 |
| CLASS VI—CLYDESDALES AND OTHER ENGLISH DRAFT BREEDS—STALLIONS. | | |
| Alexander Pointsman, four years old and over | P. Hennelly, Petaluma | 20 00 |
| Pointsman, Jr., four years old and over | Denman & McNear, Petaluma | 7 00 |
| Lothair 4th, three years old | Parson & Griffith, Geyserville | 12 00 |
| Dick Pointsman, three years old | Robert Crane, Santa Rosa | 5 00 |
| California Sam, two years old | Parson & Griffith, Geyserville | 7 00 |
| Druid, two years old | Denman & McNear, Petaluma | 3 00 |
| Romeo, one year old | Parson & Griffith, Geyserville | 4 00 |
| Starlight, one year old | Denman & McNear, Petaluma | 2 00 |
| Jumbo, under one year | Robert Crane, Santa Rosa | 3 00 |
| Frank, under one year | Denman & McNear, Petaluma | 1 00 |
| Morning Star and family | Denman & McNear, Petaluma | 15 00 |
| Alexander Pointsman and family | P. Hennelly, Petaluma | R. R. |
| MARES. | | |
| Darling, four years old and over | Denman & McNear, Petaluma | \$10 00 |
| Empress, four years old and over | Denman & McNear, Petaluma | 5 00 |
| Maid 2d, three years old | Denman & McNear, Petaluma | 8 00 |
| Blossom 8d, three years old | Denman & McNear, Petaluma | 4 00 |
| Belle 8d, one year old | Denman & McNear, Petaluma | 4 00 |
| Belle 4th, under one year | Denman & McNear, Petaluma | 3 00 |
| Blossom and family | Denman & McNear, Petaluma | 10 00 |
| Dollie and family | Robert Crane, Santa Rosa | R. R. |
| CLASS VII—GENERAL PURPOSES—STALLIONS. | | |
| Abbot, four years old and over | S. H. Sheplar, Santa Rosa | \$20 00 |
| Imperial, four years old and over | Theo. Skillman, Petaluma | 7 00 |
| Prince Abbot, under one year | S. H. Sheplar, Santa Rosa | 3 00 |
| Abbot and family | S. H. Sheplar, Santa Rosa | 15 00 |
| MARES. | | |
| Lize, four years old and over | J. Grimes, Petaluma | 10 00 |
| Nellie, four years old and over | J. Grimes, Petaluma | 5 00 |
| Spootsford, two years old | S. H. Sheplar, Santa Rosa | 5 00 |
| Duffie, two years old | S. H. Sheplar, Santa Rosa | 2 00 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------------|---------|
| CLASS XI—SHORTHORNS—BULLS. | | |
| Mountain Chief, three years old and over | John Lynch, Petaluma | \$20 00 |
| Mugwump, three years old and over | Wilfred Page, Penn's Grove | 7 00 |
| Girdle, two years old | Wilfred Page, Penn's Grove | 10 00 |
| Rosebutton, one year old | Wilfred Page, Penn's Grove | 7 00 |
| Malcolm, one year old | John Lynch, Petaluma | 3 00 |
| Gold Coin, under one year | John Lynch, Petaluma | 3 00 |
| Baccarat, under one year | Wilfred Page, Penn's Grove | 1 00 |
| COWS. | | |
| Maita, three years old and over | Wilfred Page, Penn's Grove | 12 00 |
| Mazie Richardson, three years old and over | John Lynch, Petaluma | 6 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--------------------------------------|---------|
| Royal Socks, two years old | Wilfred Page, Penn's Grove..... | \$7 00 |
| Rose Lee, two years old | John Lynch, Petaluma..... | 4 00 |
| Dot Richardson, one year old | John Lynch, Petaluma..... | 5 00 |
| Lechera, one year old..... | Wilfred Page, Penn's Grove..... | 2 00 |
| Curds, under one year | Wilfred Page, Penn's Grove..... | 3 00 |
| Gold Placer, under one year..... | Wilfred Page, Penn's Grove..... | 1 00 |
| CLASS X—HERD AND SWEEPSTAKES. | | |
| Mountain Chief and family | John Lynch, Petaluma..... | 15 00 |
| Mugwump and family | Wilfred Page, Penn's Grove..... | R. R. |
| Mugwump, bull | Wilfred Page, Penn's Grove..... | \$8 00 |
| Mountain Chief, bull | John Lynch, Petaluma..... | R. R. |
| Dairy Maid, cow | John Lynch, Petaluma..... | \$5 00 |
| Dot Richardson, cow | John Lynch, Petaluma..... | R. R. |
| CLASS XV—RED POLLS—BULLS. | | |
| Cosmo, three years old and over..... | Meacham & Fritsch, Stony Point | \$20 00 |
| Lord Hastings, one year old..... | Meacham & Fritsch, Stony Point | 7 00 |
| May Boy, one year old | Meacham & Fritsch, Stony Point | 3 00 |
| Eureka, under one year | Meacham & Fritsch, Stony Point | 3 00 |
| Cosmo 2d, under one year | Meacham & Fritsch, Stony Point | 1 00 |
| COWS. | | |
| Miss Muffett, three years old and over | Meacham & Fritsch, Stony Point | 12 00 |
| Skein 2d, three years old and over | Meacham & Fritsch, Stony Point | 6 00 |
| Jewett, two years old | Meacham & Fritsch, Stony Point | 7 00 |
| Christmas Gift, one year old | Meacham & Fritsch, Stony Point | 5 00 |
| Gladys of Sonoma, one year old | Meacham & Fritsch, Stony Point | 2 00 |
| Waltz, under one year | Meacham & Fritsch, Stony Point | 3 00 |
| Mayflower, under one year | Meacham & Fritsch, Stony Point | 1 00 |
| CLASS XVI—HERD AND SWEEPSTAKES. | | |
| Cosmo and family | Meacham & Fritsch, Stony Point | 15 00 |
| Lord Hastings, bull | Meacham & Fritsch, Stony Point | 8 00 |
| Cosmo, bull | Meacham & Fritsch, Stony Point | R. R. |
| Dance, cow | Meacham & Fritsch, Stony Point | \$5 00 |
| Violet 5th, cow | Meacham & Fritsch, Stony Point | R. R. |
| CLASS XIX—HOLSTEINS—BULLS. | | |
| Loris, three years old and over | J. H. White, Lakeville | \$20 00 |
| Huachuca, three years old and over..... | J. H. White, Lakeville | 7 00 |
| Lasquite's Lariat, one year old | J. H. White, Lakeville | 7 00 |
| Brinhilda's Tony, under one year | J. H. White, Lakeville | 1 00 |
| Annemie's Arroy, under one year | J. H. White, Lakeville | 3 00 |
| COWS. | | |
| Annemie, three years old and over..... | J. H. White, Lakeville | 12 00 |
| Dagodine, three years old and over..... | J. H. White, Lakeville | 6 00 |
| Winifredalla 2d, two years old | J. H. White, Lakeville | 7 00 |
| Alice Wayward, two years old | J. H. White, Lakeville | 4 00 |
| Ocala 2d, one year old | J. H. White, Lakeville | 5 00 |
| Muttertrue 2d, under one year | J. H. White, Lakeville | 3 00 |
| CLASS XX—HERD AND SWEEPSTAKES. | | |
| Loris and family | J. H. White, Lakeville | 15 00 |
| Huachuca, bull | J. H. White, Lakeville | 8 00 |
| Lasquite's Lariat, bull | J. H. White, Lakeville | R. R. |
| Annemie, cow | J. H. White, Lakeville | \$5 00 |
| Dagodine, cow | J. H. White, Lakeville | R. R. |
| CLASS XXI—JERSEYS AND GUERNSEYS—BULLS. | | |
| Santa Rosa Chief, three years old and over..... | Thomas Ward, Oakland..... | \$20 00 |
| Captain, three years old and over..... | George D. Campbell, Petaluma..... | 7 00 |
| Victor, two years old | Hall Bros., Petaluma..... | 10 00 |
| Captain 2d, one year old | George D. Campbell, Petaluma..... | 7 00 |
| Captain 3d, under one year..... | George D. Campbell, Petaluma..... | 3 00 |
| COWS. | | |
| Melo of Forest Grove, three years old and over | Thomas Ward, Oakland..... | 12 00 |
| rk, three years old and over..... | George D. Campbell, Petaluma..... | 6 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|-------------------------------------|--------|
| Siskiyou 4th, two years old..... | George D. Campbell, Petaluma..... | \$7 00 |
| Buttercup, two years old..... | Thomas Ward, Oakland..... | 4 00 |
| Sark 3d, one year old..... | George D. Campbell, Petaluma..... | 5 00 |
| Lady Maud, one year old..... | Thomas Ward, Oakland..... | 2 00 |
| Mariposa 3d, under one year..... | George D. Campbell, Petaluma..... | 3 00 |
| Daisy 2d, under one year..... | George D. Campbell, Petaluma..... | 1 00 |
| CLASS XXII—HERD AND SWEEPSTAKES. | | |
| Santa Rosa Chief and family..... | Thomas Ward, Oakland..... | 15 00 |
| Captain and family..... | George D. Campbell, Petaluma..... | R. R. |
| Santa Rosa Chief, bull..... | Thomas Ward, Oakland..... | \$8 00 |
| Captain 2d, bull..... | George D. Campbell, Petaluma..... | R. R. |
| Siskiyou, cow..... | George D. Campbell, Petaluma..... | \$5 00 |
| Olafina, cow..... | Thomas Ward, Oakland..... | R. R. |
| CLASS XIV—GRADED CATTLE—COWS. | | |
| Beauty, three years old and over..... | Meacham & Fritsch, Stony Point..... | \$8 00 |
| Fire Fly, two years old..... | Meacham & Fritsch, Stony Point..... | 5 00 |
| Lucy 2d, two years old..... | Thomas Ward, Oakland..... | R. R. |
| Ruby, one year old..... | Meacham & Fritsch, Stony Point..... | \$3 00 |
| Flora 2d, one year old..... | Meacham & Fritsch, Stony Point..... | R. R. |
| Rosebud, under one year..... | Meacham & Fritsch, Stony Point..... | \$2 00 |

THIRD DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------------|--------|
| SHEEP—CLASS XXXIV—SOUTHDOWNS. | | |
| Best ram, one year old..... | Robert Crane, Santa Rosa..... | \$5 00 |
| Best three ram lambs..... | Robert Crane, Santa Rosa..... | 4 00 |
| Best three ewes, two years old and over..... | Robert Crane, Santa Rosa..... | 5 00 |
| Best three ewes, one year old..... | Robert Crane, Santa Rosa..... | 4 00 |
| Best three ewe lambs..... | Robert Crane, Santa Rosa..... | 2 00 |
| SWINE—CLASS XXXIX—POLAND-CHINA. | | |
| Best sow and five pigs..... | Theodore Skillman, Petaluma..... | 5 00 |
| Best boar..... | Theodore Skillman, Petaluma..... | 6 00 |
| POULTRY—CLASS XLI. | | |
| Best pair Bantam fowls..... | A. Armstrong, Petaluma..... | 2 00 |
| Second best..... | C. Offut, Petaluma..... | 1 00 |
| Best pair Bantam chicks..... | May L. Heald, Petaluma..... | 1 00 |
| Second best..... | C. Offut, Petaluma..... | 50 |
| CLASS XLIII. | | |
| Best pair Brahma fowls..... | A. Armstrong, Petaluma..... | 2 00 |
| Best pair Brahma chicks..... | A. Armstrong, Petaluma..... | 1 00 |
| CLASS XLIV. | | |
| Best pair Buff Cochins..... | C. Offut, Petaluma..... | 2 00 |
| Best pair Buff Cochins..... | A. Armstrong, Petaluma..... | 1 00 |
| CLASS XLVI. | | |
| Best pair Partridge Cochins..... | A. Armstrong, Petaluma..... | 2 00 |
| CLASS XLVII. | | |
| Best pair Dominique fowls..... | Robert Crane, Santa Rosa..... | 2 00 |
| Second best..... | C. Offut, Petaluma..... | 1 00 |
| Best pair Dominique chicks..... | C. Offut, Petaluma..... | 1 00 |
| Second best..... | Robert Crane, Santa Rosa..... | 50 |
| CLASS XLVIII. | | |
| Best pair Black-breasted Game fowls..... | Robert Crane, Santa Rosa..... | 2 00 |
| Second best..... | Robert Crane, Santa Rosa..... | 1 00 |
| Best pair Black-breasted Game chicks..... | Robert Crane, Santa Rosa..... | 1 00 |

THIRD DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------|--------|
| CLASS L. | | |
| Best pair Japanese Game fowls..... | A. J. Shaw, Petaluma..... | \$2 00 |
| Best pair Japanese Game chicks..... | A. J. Shaw, Petaluma..... | 1 00 |
| CLASS LIII. | | |
| Best pair Silver Spangled Hamburg fowls..... | C. Offut, Petaluma..... | 2 00 |
| Second best..... | S. H. Church, Petaluma..... | 1 00 |
| Best pair Silver Spangled Hamburg chicks..... | S. H. Church, Petaluma..... | 1 00 |
| CLASS LIV. | | |
| Best pair Houdan fowls..... | A. Armstrong, Petaluma..... | 2 00 |
| Best pair Houdan chicks..... | A. Armstrong, Petaluma..... | 1 00 |
| CLASS LVI. | | |
| Best pair Brown Leghorn fowls..... | W. D. Houx, Petaluma..... | 2 00 |
| Second best..... | A. Armstrong, Petaluma..... | 1 00 |
| Best pair Brown Leghorn chicks..... | A. Armstrong, Petaluma..... | 1 00 |
| Second best..... | W. D. Houx, Petaluma..... | 50 |
| CLASS LVII. | | |
| Best pair White Leghorn fowls..... | A. Armstrong, Petaluma..... | 2 00 |
| CLASS LIX. | | |
| Best pair Rose Comb Leghorn fowls..... | A. Armstrong, Petaluma..... | 2 00 |
| Best pair Rose Comb Leghorn chicks..... | A. Armstrong, Petaluma..... | 1 00 |
| CLASS LXI. | | |
| Best pair Barred Plymouth Rock chicks .. | A. Armstrong, Petaluma..... | 1 00 |
| CLASS LXII. | | |
| Best pair White Plymouth Rock fowls..... | A. Armstrong, Petaluma..... | 2 00 |
| Best pair White Plymouth Rock chicks..... | A. Armstrong, Petaluma..... | 1 00 |
| CLASS LXIII. | | |
| Best pair Black Spanish fowls..... | S. H. Church, Petaluma..... | 2 00 |
| Best pair Black Spanish chicks..... | A. Armstrong, Petaluma..... | 1 00 |
| CLASS LXVIII. | | |
| Exhibit of eleven varieties..... | A. Armstrong, Petaluma..... | 10 00 |
| Exhibit of eight varieties..... | C. Offut, Petaluma..... | 5 00 |
| CLASS LXX. | | |
| Best pair Pekin ducks..... | A. Armstrong, Petaluma..... | 1 00 |
| Second best..... | C. Offut, Petaluma..... | 2 00 |
| CLASS LXXIV. | | |
| Best pair Toulouse geese..... | C. Offut, Petaluma..... | 2 50 |
| CLASS LXXV. | | |
| Best pair White China geese..... | C. Offut, Petaluma..... | 2 50 |

FOURTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|------------------------------------|-------------------------------|--------|
| CLASS LXXVI—GRAIN, FLOUR, ETC. | | |
| Best sheaf barley..... | W. D. Freeman, Petaluma..... | \$1 00 |
| Best sack barley, common..... | C. S. Gibson, Petaluma..... | 2 00 |
| Best ten ears corn..... | Mrs. J. Sales, Petaluma..... | 1 00 |
| Best corn on stalk..... | Robert Crane, Santa Rosa..... | 1 00 |
| Best bale oat hay..... | Robert Crane, Santa Rosa..... | 1 00 |
| Best bale wheat hay..... | T. C. Putnam, Petaluma..... | 1 00 |
| Best sheaf oats..... | P. Mullaly, Petaluma..... | 1 00 |
| Best sack oats, black..... | S. Q. Barlow, Petaluma..... | 2 00 |
| Best sack rye..... | A. P. Martin, Petaluma..... | 2 00 |
| Best sheaf rye, all varieties..... | A. P. Martin, Petaluma..... | 1 00 |
| Best sheaf wheat..... | C. S. Gibson, Petaluma..... | 1 00 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|--------|
| CLASS LXXVII—VEGETABLES, ROOTS, ETC. | | |
| Best exhibit of shelled beans..... | A. Armstrong, Petaluma | \$2 00 |
| Best exhibit of blood beets..... | A. P. Martin, Petaluma..... | 1 00 |
| Best exhibit of sugar beets..... | Rollin Andrews, Petaluma | 1 00 |
| Best exhibit of cabbage..... | S. Q. Barlow, Petaluma..... | 1 00 |
| Best exhibit of carrots..... | T. C. Putnam, Petaluma..... | 1 00 |
| Best exhibit of hops..... | Mrs. F. Purrington, Santa Rosa | 5 00 |
| Best exhibit of mangel-wurzels..... | T. C. Putnam, Petaluma..... | 1 00 |
| Best exhibit of onions..... | E. R. Charles, Petaluma..... | 1 00 |
| Best exhibit of shelled peas..... | C. S. Gibson, Petaluma..... | 1 00 |
| Best exhibit of pieplant..... | Rollin Andrews, Petaluma..... | 1 00 |
| Best exhibit of potatoes, one variety..... | A. Armstrong, Petaluma..... | 2 00 |
| Best exhibit of potatoes, five varieties..... | A. Armstrong, Petaluma..... | 5 00 |
| Best exhibit of pumpkins..... | R. Andrews, Petaluma..... | 2 00 |
| Best exhibit of rutabagas..... | A. Armstrong, Petaluma..... | 1 00 |
| Best exhibit of squashes..... | R. Andrews, Petaluma..... | 2 00 |
| Best exhibit of turnips..... | S. Q. Barlow, Petaluma..... | 1 00 |
| Best exhibit of products, by one person, raised on one farm..... | Rollin Andrews, Petaluma..... | 15 00 |
| Second best..... | Mrs. F. Purrington, Petaluma..... | 10 00 |
| CLASS LXXVIII—FRUIT, GRAPES, NUTS, ETC. | | |
| Best exhibit of almonds..... | Mrs. F. Purrington, Santa Rosa | 2 00 |
| Best exhibit of apples, single variety..... | John Merritt, Petaluma..... | 2 00 |
| Best exhibit of apples, six varieties..... | John Merritt, Petaluma..... | 4 00 |
| Best exhibit of apricots..... | A. P. Martin, Petaluma..... | 2 00 |
| Best exhibit of foreign grapes..... | E. R. Charles, Petaluma..... | 3 00 |
| Largest and best exhibit of grapes from one vineyard..... | M. Litchfield, Sebastopol | 15 00 |
| Second largest and best..... | E. R. Charles, Petaluma..... | 10 00 |
| Third largest and best..... | John Merritt, Petaluma..... | 5 00 |
| Best exhibit of cantaloupe melons..... | C. S. Gibson, Petaluma..... | 1 00 |
| Best exhibit of muskmelons..... | C. S. Gibson, Petaluma..... | 1 00 |
| Best exhibit of watermelons..... | E. R. Charles, Petaluma..... | 2 00 |
| Best exhibit of nectarines..... | Mrs. F. Purrington, Santa Rosa | 2 00 |
| Best exhibit of peaches, one variety..... | M. Litchfield, Sebastopol | 2 00 |
| Best exhibit of peaches, five varieties..... | M. Litchfield, Sebastopol | 4 00 |
| Best exhibit of pears, one variety..... | M. Litchfield, Sebastopol | 2 00 |
| Best exhibit of pears, five varieties..... | M. Litchfield, Sebastopol | 4 00 |
| Best exhibit of peanuts..... | A. Armstrong, Petaluma..... | 2 00 |
| Best exhibit of plums, one variety..... | John Merritt, Petaluma..... | 2 00 |
| Best exhibit of plums, five varieties..... | John Merritt, Petaluma..... | 4 00 |
| Best exhibit of prunes, one variety..... | Frank Ennis, Petaluma..... | 2 00 |
| Best exhibit of prunes, three varieties..... | Mrs. F. Purrington, Santa Rosa | 4 50 |
| Best exhibit of quinces..... | L. D. Gale, Petaluma..... | 2 00 |
| Best exhibit of walnuts..... | Mrs. F. Purrington, Santa Rosa | 2 00 |
| Largest and best exhibit of fruits from one orchard..... | Mrs. F. Purrington, Santa Rosa | 15 00 |
| Second largest and best..... | John Merritt, Petaluma..... | 10 00 |
| Third largest and best..... | Frank Ennis, Petaluma..... | 5 00 |
| CLASS LXXIX—PRESERVED FRUITS, ETC. | | |
| Best exhibit of kiln-dried apples..... | Mrs. F. Purrington, Santa Rosa | 3 00 |
| Best exhibit of sun-dried apples..... | Mrs. C. Wightman, Sebastopol..... | 2 00 |
| Best exhibit of catsup..... | Mrs. W. P. Hall, Petaluma..... | 1 50 |
| Best exhibit of dried figs..... | Mrs. C. Wightman, Sebastopol..... | 2 00 |
| Best display of dried grapes..... | Mrs. F. Purrington, Santa Rosa | 2 00 |
| Best exhibit of jellies, five varieties..... | Mrs. J. C. Purrine, Petaluma..... | 2 50 |
| Best exhibit of kiln-dried peaches, three varieties..... | Mrs. F. Purrington, Santa Rosa | 3 00 |
| Best exhibit of sun-dried peaches..... | Mrs. C. Wightman, Sebastopol..... | 2 00 |
| Best exhibit of pickles, three varieties..... | Mrs. S. J. Folger, Petaluma..... | 2 00 |
| Best exhibit of kiln-dried plums, three varieties..... | Mrs. F. Purrington, Santa Rosa | 3 00 |
| Best exhibit of sun-dried plums, three varieties..... | Mrs. C. Wightman, Sebastopol..... | 2 00 |
| Best exhibit of sun-dried prunes, three varieties..... | Mrs. C. Wightman, Sebastopol..... | 2 00 |
| Best exhibit of preserves, three varieties..... | Mrs. John Sales, Petaluma..... | 2 00 |
| Best exhibit of raisins..... | Mrs. C. Wightman, Sebastopol..... | 2 00 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-------------------------------------|----------|
| Best exhibit of domestic canned fruits | Mrs. L. J. Nay, Petaluma | \$4 00 |
| Best exhibit of kiln-dried fruits | Mrs F. Purrington, Santa Rosa | 6 00 |
| Best exhibit of sun-dried fruits | Mrs. C. Wightman, Sebastopol | 5 00 |
| Best exhibit of goods from any district cannery | Petaluma Fruit Packing Co. | D.&25 00 |
| CLASS LXXX—BUTTER, CHEESE, HAMS, BACON, AND HONEY. | | |
| Best exhibit of bacon | Robert Crane, Santa Rosa | 2 00 |
| Best exhibit of butter | G. W. Ormsby, Petaluma | 15 00 |
| Second best | Robert Seavy, Petaluma | 10 00 |
| Best exhibit of hams | Robert Crane, Santa Rosa | 2 00 |
| Best exhibit of comb honey | Mrs. L. H. Patty, Petaluma | 2 00 |
| CLASS LXXXI—FLEECES. | | |
| Best exhibit of ram's fleece, fine | Mrs. F. Purrington, Santa Rosa .. | 2 00 |
| Best exhibit of ram's fleece, long | Mrs. F. Purrington, Santa Rosa .. | 2 00 |
| CLASS LXXXII—WINES, CIDER, ALE, ETC. | | |
| Best exhibit of blackberry brandy | Mrs. L. H. Patty, Petaluma | 2 00 |
| Best exhibit of champagne | Geo. E. Dohn, Santa Rosa | 8 00 |
| Best exhibit of blackberry cordial | Mrs. L. H. Patty, Petaluma | 2 00 |
| Best exhibit of port wine | George E. Dohn, Santa Rosa | 3 00 |
| Best exhibit of red wine | E. Schirmer, Petaluma | 3 00 |
| Best exhibit of white wine | George E. Dohn, Santa Rosa | 8 00 |
| Best exhibit of wines | George E. Dohn, Santa Rosa | D.&25 00 |
| Second best exhibit of wines | E. Schirmer, Petaluma | 10 00 |
| CLASS LXXXIII—GRANGE OR CLUB EXHIBITS. | | |
| First premium | Sebastopol Grange, Sebastopol | 100 00 |
| Second premium | Two Rock Grange, Petaluma | 80 00 |
| Third premium | Petaluma Alliance, Petaluma | 60 00 |

FIFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|-----------|
| CLASS LXXXIV—AGRICULTURAL IMPLEMENTS, HARDWARE, ETC. | | |
| Best churn | Bauer & Schluckebier, Petaluma .. | \$3 00 |
| Best clod crusher | Bauer & Schluckebier, Petaluma .. | 4 00 |
| Best hay cutter | Bauer & Schluckebier, Petaluma .. | 2 00 |
| Best cultivator | Bauer & Schluckebier, Petaluma .. | 2 00 |
| Best fruit drier | C. W. Lewis, Petaluma | D. & 5 00 |
| Best harrow | Bauer & Schluckebier, Petaluma .. | 2 00 |
| Best cider mill press | Bauer & Schluckebier, Petaluma .. | 2 00 |
| Best fanning mill | Bauer & Schluckebier, Petaluma .. | 2 00 |
| Best windmill | C. W. Otis, Petaluma | 5 00 |
| Best gang plow | Bauer & Schluckebier, Petaluma .. | 3 00 |
| Best sidehill plow | Bauer & Schluckebier, Petaluma .. | 2 00 |
| Best horse rake | Bauer & Schluckebier, Petaluma .. | 2 00 |
| Best incubator | L. C. Byce, Petaluma | 5 00 |
| CLASS LXXXV—CARRIAGES, BUGGIES, AND WAGONS. | | |
| Best carriage painting | H. Pinner, Petaluma | 5 00 |
| Best carriage trimming | C. F. Northrup, Petaluma | 5 00 |
| Best spring wagon | Loranger & Clark, Petaluma | 5 00 |
| CLASS LXXXVI—SADDLERY AND HARNESS. | | |
| Best exhibit of horse boots | C. F. Northrup, Petaluma | 2 00 |
| Best exhibit of light double harness | C. F. Northrup, Petaluma | 6 00 |
| Best exhibit of light single harness | C. F. Northrup, Petaluma | 4 00 |
| Best exhibit of work double harness | C. F. Northrup, Petaluma | 5 00 |
| Best exhibit of saddles | C. F. Northrup, Petaluma | 2 50 |
| Best exhibit of saddletrees | C. F. Northrup, Petaluma | 2 00 |
| Best exhibit of saddlery | C. F. Northrup, Petaluma | 15 00 |

FIFTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--|-------------|
| CLASS LXXXVII—MISCELLANEOUS EXHIBIT OF DISTRICT MANUFACTURES AND HANDIWORK. | | |
| Best exhibit of bookbinding..... | J. A. Cowen, Petaluma..... | D. & \$3 00 |
| Best exhibit of boots and shoes..... | W. J. Palmer, Petaluma..... | 3 00 |
| Best exhibit of chairs..... | Ellsworth & Son, Petaluma..... | 3 00 |
| Best exhibit of brass finishing..... | L. C. Byce, Petaluma..... | 2 00 |
| Best exhibit of furniture..... | Ellsworth & Son, Petaluma..... | 10 00 |
| Best exhibit of gate (model)..... | L. J. Johnson, Petaluma..... | D. & 3 00 |
| Best exhibit of leather..... | W. J. Palmer, Petaluma..... | 5 00 |
| Best washing machine..... | Pedigo Perfection Washing Machine Co., Santa Rosa..... | Diploma. |
| Best exhibit of silk culture..... | Mrs. F. Purrington, Santa Rosa..... | D. & \$5 00 |
| Best exhibit of soap..... | Mrs. L. H. Patty, Petaluma..... | 3 00 |
| Best exhibit of wood turning..... | L. C. Byce, Petaluma..... | 2 00 |
| Best exhibit of upholstery..... | Ellsworth & Son, Petaluma..... | 7 50 |
| Best exhibit of California woods, polished..... | L. C. Byce, Petaluma..... | 3 00 |
| Best invention, "Petaluma Brooder"..... | L. C. Byce, Petaluma..... | Diploma. |
| CLASS LXXXVIII—SWEEPSTAKES. | | |
| Best exhibit of agricultural implements..... | Bauer & Schluckebier, Petaluma..... | \$10 00 |
| Best exhibit of furniture..... | Ellsworth & Son, Petaluma..... | Dip. & \$10 |
| Best exhibit of sewing machines..... | Singer Mfg. Co., San Francisco..... | Diploma. |
| Best exhibit of silverware..... | Baur & Brown, Petaluma..... | Dip. & \$10 |

SIXTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------------|--------|
| CLASS LXXXIX—PAINTINGS, ORNAMENTAL WORK, ETC. | | |
| Best afghan..... | Mrs. A. B. Derby, Petaluma..... | \$2 00 |
| Best arrasene work..... | Mrs. C. A. Offut, Petaluma..... | 2 00 |
| Best bonnet..... | Mrs. A. Kelly, Petaluma..... | 2 00 |
| Best rag carpet..... | Mrs. B. M. Button, Petaluma..... | 2 00 |
| Best couching..... | Mrs. A. Kelly, Petaluma..... | 2 00 |
| Best crochet work, cotton..... | Mrs. Wm. Shields, Petaluma..... | 1 00 |
| Best crochet work, silk..... | Mrs. A. Kelly, Petaluma..... | 2 00 |
| Best Spanish drawn work..... | Mrs. A. Kelly, Petaluma..... | 3 00 |
| Best baby's dress..... | Mrs. C. A. Offut, Petaluma..... | 2 00 |
| Best lady's dress..... | Mrs. L. H. Patty, Petaluma..... | 3 00 |
| Best cotton embroidery..... | Mrs. L. H. Patty, Petaluma..... | 2 00 |
| Best lace embroidery..... | Mrs. L. H. Patty, Petaluma..... | 2 00 |
| Best embroidery on silk..... | Mrs. Wm. Lewis, Petaluma..... | 2 00 |
| Best embroidery on worsted..... | Mrs. A. B. Derby, Petaluma..... | 2 00 |
| Best etching..... | Mrs. L. C. Byce, Petaluma..... | 2 00 |
| Best hearth rug..... | Mrs. A. Davidson, Petaluma..... | 2 00 |
| Best hemstitching..... | Mrs. L. C. Byce, Petaluma..... | 1 00 |
| Best kensington work in crewel..... | Mrs. A. Kelly, Petaluma..... | 2 00 |
| Best kensington work in silk..... | Mrs. L. C. Byce, Petaluma..... | 2 00 |
| Best kensington work in chenille..... | Mrs. L. C. Byce, Petaluma..... | 2 00 |
| Best fancy knitting..... | Mrs. L. H. Patty, Petaluma..... | 1 00 |
| Best lambrequin..... | Mrs. A. B. Derby, Petaluma..... | 1 00 |
| Best Spanish lace..... | Mrs. L. H. Patty, Petaluma..... | 2 00 |
| Best point lace..... | Mrs. L. H. Patty, Petaluma..... | 2 00 |
| Best exhibit of millinery..... | Mrs. A. Kelly, Petaluma..... | 5 00 |
| Best exhibit of needlework..... | Mrs. C. A. Offut, Petaluma..... | 10 00 |
| Second best..... | Mrs. L. H. Patty, Petaluma..... | 7 00 |
| Best ottoman cover..... | Mrs. L. C. Byce, Petaluma..... | 1 00 |
| Best exhibit of patchwork..... | Mrs. A. B. Derby, Petaluma..... | 1 00 |
| Best crazy work, silk..... | Mrs. C. A. Offut, Petaluma..... | 2 00 |
| Best quilting..... | Mrs. L. H. Patty, Petaluma..... | 2 00 |
| Best knit quilt..... | Mrs. A. B. Derby, Petaluma..... | 2 00 |
| Best ribbon work..... | Mrs. L. C. Byce, Petaluma..... | 2 00 |
| Best table scarf..... | Mrs. L. C. Byce, Petaluma..... | 2 00 |
| Best exhibit of family sewing machine work..... | Mrs. L. H. Patty, Petaluma..... | 2 00 |

SIXTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|--------|
| Best sofa cushion..... | Mrs. L. C. Byce, Petaluma..... | \$2 00 |
| Best stockings..... | Mrs. L. H. Patty, Petaluma..... | 1 00 |
| Best gents' shirt..... | Mrs. L. H. Patty, Petaluma..... | 1 50 |
| Best boy's suit..... | Mrs. L. H. Patty, Petaluma..... | 2 00 |
| Best toilet set..... | Mrs. L. C. Byce, Petaluma..... | 2 00 |
| Best transferred work..... | Mrs. L. H. Patty, Petaluma..... | 2 00 |
| Best hand-knit underwear..... | Mrs. Wm. Lewis, Petaluma..... | 2 00 |
| Best embroidered wall panel..... | Mrs. L. C. Byce, Petaluma..... | 5 00 |
| CLASS XC—BREAD, CAKES, ETC. | | |
| (Open to young ladies under 20 years of age.) | | |
| Best Boston brown bread..... | Miss Josie Cadwell, Stony Point.. | 3 00 |
| Best corn bread..... | Miss Lizzie Whitney, Petaluma..... | 3 00 |
| Best wheat bread..... | Miss Josie Cadwell, Stony Point.. | 3 00 |
| Best coffee cake..... | Miss Abbie Waters, Petaluma..... | 3 00 |
| Best fruit cake..... | Miss Lizzie Whitney, Petaluma..... | 3 00 |
| Best pound cake..... | Miss Lizzie Whitney, Petaluma..... | 3 00 |
| Best sponge cake..... | Miss Josie Cadwell, Stony Point.. | 3 00 |
| Best tarts..... | Miss Josie Cadwell, Stony Point.. | 3 00 |
| Best exhibit in this class by one person. Special premium by the President, J. H. White..... | Miss Josie Cadwell, Stony Point.. | 20 00 |
| CLASS XCI—CHILDREN'S DEPARTMENT. | | |
| Best applique work..... | Miss Bertha Slayton, Petaluma..... | 1 50 |
| Best white bread..... | Miss Lois Dickson, Petaluma..... | 2 00 |
| Best fruit cake..... | Miss Lena Hall, Petaluma..... | 2 00 |
| Best pound cake..... | Miss Lena Hall, Petaluma..... | 2 00 |
| Best sponge cake..... | Miss Lois Dickson, Petaluma..... | 2 00 |
| Best calico dress..... | Miss Lucy Lawler, Petaluma..... | 2 50 |
| Best crochet work..... | Miss Gracie Lawler, Petaluma..... | 1 50 |
| Best doll..... | Miss Bertha Slayton, Petaluma..... | 2 00 |
| Best crayon drawing..... | Master Monte Button, Petaluma..... | 2 00 |
| Best pencil drawing..... | Master Monte Button, Petaluma..... | 2 00 |
| Best painting..... | Master Monte Button, Petaluma..... | 2 50 |
| Best bird's eggs..... | Master Levi Patty, Petaluma..... | 2 00 |
| Best etching..... | Miss May Heald, Petaluma..... | 1 50 |
| Best knitting..... | Miss Abbie Waters, Petaluma..... | 1 50 |
| Best needle work..... | Miss Bertha Slayton, Petaluma..... | 3 00 |
| Best crazy patchwork..... | Miss May Heald, Petaluma..... | 2 00 |
| Best penmanship..... | Miss Lizzie Hilmer, Petaluma..... | 2 00 |
| Best plain sewing..... | Miss Bertha Slayton, Petaluma..... | 3 00 |
| Best tatting..... | Miss Bertha Slayton, Petaluma..... | 1 00 |
| Best transferred work..... | Miss Bertha Slayton, Petaluma..... | 1 50 |
| CLASS XCII. | | |
| Best collection of paintings exhibited by one person in the art gallery, and ob- tained from any source..... | Miss J. McElroy, San Francisco.. | 10 00 |
| CLASS XCIII—PAINTINGS, ORNAMENTAL WORK, ETC. | | |
| Best aquarium..... | Levi Patty, Petaluma..... | 2 00 |
| Best exhibit of stuffed birds and animals..... | Percy Ellsworth, Petaluma..... | 2 50 |
| Best exhibit of crayon drawing..... | Mrs. W. P. Edwards, Petaluma..... | 2 00 |
| Best exhibit of pencil drawing..... | Mrs. C. A. Offut, Petaluma..... | 2 00 |
| Best collection of paintings..... | Miss C. L. Charles, Petaluma..... | 6 00 |
| Best oil painting on satin..... | Mrs. L. C. Byce, Petaluma..... | 4 00 |
| Best exhibit of water colors..... | Mrs. John A. McNear, Petaluma..... | 3 00 |
| Best exhibit of animal painting..... | Miss C. L. Charles, Petaluma..... | 4 00 |
| Best exhibit of flower painting..... | Miss C. L. Charles, Petaluma..... | 4 00 |
| Best exhibit of kensington painting..... | Mrs. L. C. Byce, Petaluma..... | 2 00 |
| Best exhibit of landscape painting..... | Miss C. L. Charles, Petaluma..... | 4 00 |
| Best exhibit of porcelain painting..... | Mrs. L. C. Byce, Petaluma..... | 2 50 |
| Best exhibit of luster painting..... | Mrs. C. A. Offut, Petaluma..... | 2 00 |
| Best exhibit of portrait painting..... | Mrs. C. A. Offut, Petaluma..... | 4 00 |
| Best exhibit of oil painting on canvas..... | Miss C. L. Charles, Petaluma..... | 4 00 |

SIXTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---|----------|
| CLASS XCIV—PLANTS, BOUQUETS, ETC. | | |
| Best exhibit of bouquets in vase..... | Mrs. B. F. Cox, Petaluma..... | \$2 00 |
| Best exhibit of cut dahlias..... | Miss Bertha Slayton, Petaluma..... | 3 00 |
| Best floral design..... | Miss Bertha Slayton, Petaluma..... | 3 00 |
| Best exhibit of cut flowers..... | Miss Bertha Slayton, Petaluma..... | 5 00 |
| Best exhibit of trees, shrubs, plants, etc.... | Rollin Andrews, Petaluma..... | 10 00 |
| AWARDS FOR EXHIBITS NOT MENTIONED IN PREMIUM LIST. | | |
| Best exhibit of medicinal and chemical preparations, scientific apparatus, and instruments for testing milk, wine, and other liquids, and detecting impurities therein..... | L. Hilmer, Petaluma..... | Diploma. |
| Best exhibit of dentistry..... | Dr. G. W. Leek, San Francisco..... | Diploma. |
| Best exhibit of hand-carving..... | Tony Derkum, Petaluma..... | \$2 00 |
| Best exhibit of grammar grade penmanship..... | Miss L. Hilmer, Petaluma..... | 3 00 |
| Best exhibit of grammar grade drawing..... | Miss L. Hallengrew, Petaluma..... | 3 00 |
| Best exhibit of primary grade penmanship..... | Gualala School..... | 5 00 |
| Best exhibit of primary grade drawing..... | Gualala School..... | 5 00 |
| Exhibit of cheese..... | James Greyson, Petaluma..... | Hn. men. |
| Exhibit of open buggy..... | Robinson & Farrell, Petaluma..... | Hn. men. |
| Exhibit of ornamental shell work..... | Mrs. William Everts, Petaluma..... | Hn. men. |
| Exhibit of rare vegetables and plants..... | Rollin Andrews, Petaluma..... | Hn. men. |
| Exhibit of fruits, etc..... | John R. Doss, Petaluma..... | Hn. men. |
| Exhibit of fruits, etc..... | Charles Hunt, Petaluma..... | Hn. men. |
| Exhibit of lemons, oranges, etc..... | Mrs. Caleb Carriger, Petaluma..... | Hn. men. |
| Exhibit of harness, boots, and shoes..... | Saint Vincent's Orphan Asylum, Petaluma..... | Hn. men. |

SPEED PROGRAMME.

TUESDAY, AUGUST 25, 1891.

RACE No. 1—TROTTING.

Stake for district yearlings. Dash of one mile.

| | |
|---|---|
| P. J. Shafter's g. f. Secret, by Secretary; dam, Pastime, by Rustic | 1 |
| D. Frasier's br. f. Myrtle F, by Secretary; dam, Netteo, by Anteeo | 2 |
| Wilfred Page's b. f. Mialma, by Eclectic; dam, Minnie Allen, by Arthurton | 3 |
| M. Kemfer's ch. c. Alwood K, by Woodnut; dam, Alice B, by Admiral | 4 |

Time—3:03.

RACE No. 2—TROTTING.

Free for all four-year olds.

| | |
|--|-------|
| John Goldsmith's ch. f. Serena, by Sidney; dam, Blanche, by Elmo | w. o. |
|--|-------|

RACE No. 3—PACING.

2:25 Class. Purse, \$600. Mile heats, best three in five.

| | | | | |
|--|------|---|---|---|
| O. A. Hickok's g. m. Lily, by Steinway; dam, by Whipple's Hambletonian .. | 3 | 1 | 1 | 1 |
| R. S. Brown's b. g. Plunkett, by Strathern; dam, Fly, by Bulger | 1 | 3 | 3 | 2 |
| Lewis Simmons' b. m. Lida W, by Nutwood; dam, by George M. Patchen, Jr. .. | 2 | 2 | 2 | 3 |
| D. J. Culcross' b. g. Snigglefritz, by Gladiator | dis. | | | |

Time—2:25½; 2:24½; 2:28½; 2:28½.

RACE No. 4—TROTTING.

2:30 Class. Purse, \$800. Mile heats, best three in five.

| | | | | | |
|--|---|---|---|---|---|
| H. J. Agnew's br. m. Flora G, by Altoona; dam, Blonde, by Elmo | 1 | 3 | 3 | 1 | 1 |
| A. C. Dietz's b. g. Tippu Tib, by Reliance | 2 | 1 | 2 | 2 | 2 |
| Thomas Bonner's ch. g. Setting Sun, by Billy Hayward | 3 | 2 | 1 | 3 | 3 |

Time—2:29; 2:29; 2:29½; 2:31½; 2:30½.

WEDNESDAY, AUGUST 26, 1891.

RACE No. 5—TROTTING.

For district two-year olds. Mile heats, best two in three.

| | | | |
|--|------|---|---|
| P. J. Shafter's g. c. Rustic King, by Rustic; dam, Gazelle, by Gen. McClellan ... | 1 | 3 | 1 |
| Lee Shaner's b. c. Dan Lot, by Anteeo; dam, by Nutwood | 3 | 1 | 2 |
| Cook Stock Farm's ch. f. Lurline, by Steinway; dam, Maggie McGregor, by Robt. McGregor | 2 | 2 | 3 |
| Rufus Murphy's blk. f. Lizzie R, by Anteeo; dam, by Gen. Dana | dis. | | |

Time—2:38; 2:38½; 2:36½.

RACE No. 6—TROTTING.

Free for all three-year olds.

| | |
|--|-------|
| San Mateo Stock Farm's ch. f. Vida Wilkes, by Guy Wilkes; dam, Vixen, by Nutwood. .. | w. o. |
|--|-------|

RACE No. 7—PACING.

2:15 Class. .Purse, \$800. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| J. Goldsmith's br. s. Rupee, by Guy Wilkes; dam, Sable Hayward, by Poscora Hayward | 1 | 1 | 1 |
| Napa Stock Farm's b. g. Gold Medal, by Nephew; dam, Peggy Donahoe | 3 | 2 | 2 |
| J. Garrity's ch. g. Hummer, by Sidney; dam, Humming Bird | 2 | 3 | 3 |

Time—2:20; 2:19½; 2:21.

RACE No. 8—SPECIAL TROTTING.

Purse, \$450. Mile heats, best three in five.

| | | | | | | | |
|--|---|---|------|---|---|------|---|
| J. Garrity's g. m. Fanny D, by Mansfield's Medium; dam, by Bashaw | 1 | 3 | 8 | 1 | 4 | 2 | 1 |
| Thos. Smith's blk. m. Maud, by McDonald Chief; dam, by Gen. Taylor | 2 | 1 | 2 | 2 | 2 | 1 | 2 |
| Rufus Murphy's g. g. Nimrod, by Anteeo; dam, by Nutwood | 3 | 2 | 1 | 3 | 3 | 4 | 3 |
| A. Morse's b. g. John L. pedigree unknown | 5 | 4 | 4 | 4 | 1 | 3 | 4 |
| Tom Kinney's ch. s. King Oro, by Alcona Clay; dam, Pansy, by Cassius M. Clay | 4 | 5 | 5 | 5 | 5 | dis. | |
| James Corcoran's blk. m. Lady Armington, by Anteeo; dam, Abotein. | 6 | 6 | dis. | | | | |

Time—2:36½; 2:36½; 2:35; 2:39; 2:37½; 2:34½; 2:37.

THURSDAY, AUGUST 27, 1891.

RACE No. 9—TROTTING.

For district three-year olds.

| | |
|--|------|
| I. De Turk's br. f. Myrtle, by Anteeo; dam, Luella, by Nutwood | 1 |
| Rufus Murphy's b. f. Ella H, by Anteeo; dam, by Nutwood | dis. |

Time—2:37.

RACE No. 10—TROTTING.

Free for all two-year olds. Mile heats, best two in three.

| | | |
|---|---|------|
| San Mateo Stock Farm's b. f. Sabina, by Sable Wilkes; dam, Eva, by Le Grande .. | 1 | 1 |
| De Turk & Guerne's b. c. Robin, by Hero; dam, by Nephew | 2 | 2 |
| H. P. Perkins' b. c. Rosiris, by Iris; dam, by Bay Rose | 3 | dis. |

Time—2:36½; 2:31½.

RACE No. 11—TROTTING.

2:22 Class. Purse, \$800. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| J. Goldsmith's b. m. Una Wilkes, by Guy Wilkes; dam, Blanche, by Arthurton. .. | 1 | 1 | 1 |
| Charles Foster's b. m. Flora M, by Richards' Elector; dam, by Winthrop | 2 | 2 | 2 |
| O. A. Hickok's blk. s. Guide, by Director; dam, by Volunteer | 3 | 3 | 3 |
| H. J. Agnew's b. m. Lynette, by Lynwood; dam, by Kentucky Hunter | 4 | 4 | 4 |
| A. McFadyen's b. s. Redwood, by Anteeo; dam, Lou Milton; by Milton Medium. .. | 5 | 5 | 5 |

Time—2:19½; 2:23½; 2:23½.

RACE No. 12—MIXED.

Purse, \$350. Mile heats, best three in five.

| | | | | | | |
|--|---|---|------|---|---|---|
| B. E. Harris' Harry Mac, by Alex Button; dam, Rosedale | 2 | 3 | 1 | 2 | 1 | 1 |
| H. W. Crabb's br. m. Like Like (pacer), by Whippleton; dam, by Nabuc. | 1 | 1 | 2 | 3 | 3 | 3 |
| F. H. Burke's Daylight, by Eros; dam, by Chieftain | 3 | 2 | 3 | 1 | 2 | 2 |
| Napa Stock Farm's Belle Thorn, by Whippleton; dam, by Bismarck | 4 | 4 | dis. | | | |

Time—2:38½; 2:39½; 2:35; 2:36; 2:31½; 2:32½.

FRIDAY, AUGUST 28, 1891.

RACE No. 13—TROTTING.

Free for all yearlings. Dash of one mile.

H. P. Perkins' blk. f. Maud Fox, by Iris; dam, Miss Thomas, by A. W. Richmond. w. o.

Time—3:06.

RACE No. 14—SPECIAL TROTTING.

Purse, \$350. Mile heats, best three in five.

| | | | | |
|---|---|---|---|---|
| Ben E. Harris' b. g. General Blucher, by Sterling; dam, by Brigadier..... | 1 | 1 | 2 | 1 |
| W. P. Fine's b. s. Sunset, by Anteeo; dam, by King Philip..... | 4 | 3 | 1 | 4 |
| Wyman Murphy's b. m. Maud M, by Anteeo; dam, by Meridian..... | 2 | 2 | 4 | 3 |
| J. P. Rodehaver's br. s. Alcona, Jr., by Alcona; dam, Veronica, by Strader's Clay..... | 3 | 4 | 3 | 2 |

Time—2:38½; 2:31½; 2:29½; 2:33½.

RACE No. 15—SPECIAL TROTTING.

Purse, \$400. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| Rufus Murphy's b. m. Maud Dee, by Anteeo; dam, Maud, by Nutwood..... | 1 | 1 | 1 |
| R. Havey's br. g. Colonel May, by May Boy..... | 2 | 2 | 2 |
| R. S. Brown's b. m. Mattie P, by Jackson Temple; dam, by Tom Hyer, Jr..... | 3 | 4 | 3 |
| J. Goldsmith's ch. s. Beaumont, by Le Grande; dam, by Arthurton..... | 4 | 3 | 4 |

Time—2:27½; 2:27½; 2:29½.

SATURDAY, AUGUST 29, 1891.

RACE No. 16—TROTTING.

For district four-year olds.

Rufus Murphy's b. m. Maud Dee, by Anteeo; dam, by Nutwood..... w. o.

RACE No. 17—TROTTING.

2:27 Class. Purse, \$800. Mile heats, best three in five.

| | | | | |
|--|------|---|---|---|
| Rufus Murphy's ch. s. Ned Lock, by Antelope; dam, Dolly..... | 1 | 1 | 2 | 1 |
| H. J. Agnew's br. m. Flora G, by Altoona; dam, Susie, by Conway's Patchen..... | 2 | 2 | 1 | 2 |
| Lewis Simmons' ch. m. Maud C, by California; dam, by Steinway..... | dis. | | | |

Time—2:24½; 2:25½; 2:26; 2:25½.

RACE No. 18—SPECIAL PACING.

Purse, \$400. Mile heats, best three in five.

| | | | | |
|--|---|---|---|------|
| Napa Stock Farm's b. g. Gold Medal, by Nephew; dam, Peggy Donahoe..... | 2 | 1 | 1 | 1 |
| J. Goldsmith's b. g. Allanah, by Guy Wilkes; dam, Molly Fern..... | 3 | 3 | 2 | 2 |
| J. Garrity's ch. g. Hummer, by Sidney; dam, Humming Bird..... | 4 | 4 | 4 | 3 |
| John Williams' blk. m. Princess Alice, by Dexter Prince; dam, by General McClellan..... | 1 | 2 | 3 | dis. |

Time—2:20½; 2:17½; 2:19; 2:22½.

RACE No. 19—SPECIAL PACING.

Purse, \$150. Mile heats, best three in five.

H. J. Agnew's ch. m. Silky, by Dawn; dam, Pastime, by Rustic 1
 John Lawler's b. m. Lucy L; pedigree unknown dis.
Time—2:28.

The following races for records have taken place since the date of the regular meeting:

TUESDAY, OCTOBER 6, 1891.

RACE No. 1—TROTTING.

Purse, \$100. Mile heats, best three in five.

W. R. Overholser's ch. h. Oaknut, by Dawn; dam, Miss Brown, by Brown's
 Volunteer 2 1 1 1
 A. L. Whitney's ch. m. Annabel, by Dawn; dam, Pacheco, by Hubbard 1 2 2 2
Time—2:27½; 2:27; 2:27½; 2:25¾.

SATURDAY, OCTOBER 24, 1891.

RACE No. 2—TROTTING.

Purse, \$50. Mile heats, best two in three.

J. P. Rodehaver's br. s. Alcona, Jr., by Alcona; dam, Madonna, by Strader's Clay.. 1 1
 Lee Shaner's br. g. Harry Howe 2 2
Time—2:32; 2:27½.

RACE No. 3—TROTTING.

Purse, \$50. Mile heats, best two in three.

Lee Shaner's b. s. Dan Lot, by Anteeo; dam, by Nutwood 1 1
 Daniel McGovern's g. g. Plow Boy; pedigree unknown 2 2
Time—2:39; 2:38¾.

SATURDAY, OCTOBER 31, 1891.

RACE No. 4—TROTTING.

Against his record, 2:27½. Purse, \$40.

J. P. Rodehaver's br. s. Alcona, Jr., by Alcona; dam, Madonna, by Strader's Clay.. 2 1
 Time 1 2
Time—2:45½; 2:26½.

TRANSACTIONS

OF THE

FIFTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the Counties of San Mateo and Santa Clara.

OFFICERS OF THE ASSOCIATION.

| | |
|--------------------------------|------------|
| WILLIAM BUCKLEY..... | President. |
| G. H. BRAGG..... | Secretary. |
| GARDEN CITY NATIONAL BANK..... | Treasurer. |

DIRECTORS.

| | |
|-------------------------|------------------|
| WILLIAM BOOTS..... | Milpitas. |
| D. J. MURPHY..... | San José. |
| JAMES W. REA..... | San José. |
| J. P. SARGENT..... | Sargent Station. |
| E. TOPHAM..... | Milpitas. |
| W. Z. PRICE..... | Redwood City. |
| GEORGE B. POLHEMUS..... | Coyote. |

REPORT.

SAN JOSÉ, January 1, 1892.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Fifth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

G. H. BRAGG,
Secretary.

RECEIPTS AND EXPENDITURES.

Balance as per last statement \$242 71

Disbursements.

| | |
|--|-----------------|
| Trackman | \$50 00 |
| Carpenter work, Pavilion stalls..... | 96 02 |
| Garden City National Bank, Treasurer | 96 69 |
| | <u>\$242 71</u> |

Receipts.

| | |
|---|--------------------|
| Balance in hands of Garden City National Bank, Treasurer..... | \$96 69 |
| Team and man for San José Blood Horse Association..... | 30 00 |
| Cash advances by President and Directors | 8,500 00 |
| Pool privilege | 2,481 15 |
| Bar, restaurant, and other privileges..... | 2,500 00 |
| Gurney Cab Company..... | 20 00 |
| State appropriation..... | 3,000 00 |
| Gate receipts fair week | 3,436 50 |
| Stall rent..... | 1,110 90 |
| Rent from club house | 385 00 |
| Entrance and stake money..... | 3,851 50 |
| Hay and straw sold | 35 00 |
| | <u>\$19,896 74</u> |

Expenditures.

| | |
|--|--------------------|
| Note at Bank of San José, and interest | \$1,511 35 |
| Surveying track | 12 00 |
| Repairing water tank..... | 22 00 |
| Legal services | 50 00 |
| National Trotting Association..... | 75 00 |
| Six months' interest on \$3,500..... | 108 20 |
| Straw | 183 15 |
| Cutting, stacking, and baling hay..... | 332 50 |
| Premiums | 1,522 00 |
| Help fair week..... | 543 00 |
| Secretary's services..... | 600 00 |
| Lithographs | 228 05 |
| Rope for baling hay | 69 83 |
| Work and repairs on grounds | 379 90 |
| Repairing tools..... | 124 35 |
| Printing and advertising | 724 05 |
| Building Pavilion stalls | 577 39 |
| Building twenty-seven stalls | 864 13 |
| Sundries..... | 274 00 |
| Feed and hay..... | 275 50 |
| Hardware | 69 68 |
| Plumbing | 80 88 |
| Water | 78 50 |
| Bill posting..... | 45 75 |
| Shoeing horse | 6 00 |
| Purses and stakes..... | 8,193 00 |
| Help on track | 274 00 |
| Loaming track | 1,570 50 |
| Half taxes..... | 338 80 |
| | <u>\$19,805 14</u> |

Balance in hands of Treasurer..... \$91 60

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-------------------------------------|---------|
| THOROUGHBREDS—STALLIONS. | | |
| Hermes, four years old and over..... | John Hunline, San José..... | \$20 00 |
| Bayard, four years old and over..... | John Hunline, San José..... | 10 00 |
| Sir Walter, three years old..... | William Boots, Milpitas..... | 12 00 |
| Sam Mount, two years old..... | Charles Cockrill, Salinas City..... | 10 00 |
| Elmwood, two years old..... | William Boots, Milpitas..... | 5 00 |
| Duke Stevens, one year old..... | Kennedy Bros., Los Gatos..... | 4 00 |
| Vendome, one year old..... | J. W. Reavey, San José..... | 8 00 |
| MARES. | | |
| Mollie H and colt..... | William Boots, Milpitas..... | 20 00 |
| Brown Maria and colt..... | William Boots, Milpitas..... | 10 00 |
| Alfarata, four years old and over..... | T. S. Montgomery, San José..... | 15 00 |
| Gladetta, four years old and over..... | William Boots, Milpitas..... | 8 00 |
| Claudia, two years old..... | William Boots, Milpitas..... | 8 00 |
| Bay filly, one year old..... | William Boots, Milpitas..... | 6 00 |
| STANDARD TROTTERS—STALLIONS. | | |
| Eros, four years old..... | F. H. Burke, Menlo Park..... | 20 00 |
| Billy Thornhill, four years old and over..... | James Boyd, San José..... | 10 00 |
| Nutwood Wilkes, three years old..... | Martin Carter, Irvington..... | 12 00 |
| Khartoum, two years old..... | D. J. Murphy, San José..... | 10 00 |
| Detective, two years old..... | M. Scott, San José..... | 5 00 |
| Nero, one year old..... | F. H. Burke, Menlo Park..... | 8 00 |
| Anteneer, under one year..... | F. H. Burke, Menlo Park..... | 6 00 |
| Just in Time, under one year..... | M. Scott, San José..... | 3 00 |
| MARES. | | |
| Ante, four years old and over..... | F. H. Burke, Menlo Park..... | 15 00 |
| Volante, three years old..... | F. H. Burke, Menlo Park..... | 10 00 |
| Donzella, two years old..... | F. H. Burke, Menlo Park..... | 8 00 |
| Wilhema, one year old..... | F. H. Burke, Menlo Park..... | 6 00 |
| Midnight Belle, under one year..... | F. H. Burke, Menlo Park..... | 5 00 |
| ROADSTERS—STALLIONS. | | |
| Baywood, four years old and over..... | E. S. Smith, San José..... | 20 00 |
| Boxwood, four years old and over..... | H. G. Cox, San José..... | 10 00 |
| St. Kilda, three years old..... | A. Seale, Mayfield..... | 12 00 |
| Patchwood, three years old..... | A. Dormsky, San José..... | 6 00 |
| Philo, two years old..... | James Boyd, San José..... | 10 00 |
| Young Harold, two years old..... | J. Weatherhead, San José..... | 5 00 |
| Pacific, one year old..... | C. B. Coffin, San José..... | 8 00 |
| Homer, one year old..... | W. J. Walton, San José..... | 4 00 |
| Daylight (gelding), four years old and over..... | F. H. Burke, Menlo Park..... | 10 00 |
| MARES. | | |
| Lady Grosvenor, four years old and over..... | E. Topham, Milpitas..... | 15 00 |
| Flora, four years old and over..... | A. Dormsky, San José..... | 8 00 |
| Minnie B, two years old..... | E. Topham, Milpitas..... | 8 00 |
| Lady Dashwood, two years old..... | J. Weatherhead, San José..... | 4 00 |
| Lady Woodnut, one year old..... | J. Weatherhead, San José..... | 6 00 |
| CARRIAGE HORSES—MATCHED SPAN. | | |
| Dave and John..... | William Buckley, San José..... | 20 00 |
| Daisy and Lady..... | Thomas McCloskey, Hollister..... | 15 00 |
| ROADSTER HORSES—MATCHED SPAN. | | |
| Tony B and Eva O..... | J. N. Killip, San Francisco..... | 10 00 |
| Stanley and Santa Cruz Maid..... | S. H. Cowell, Santa Cruz..... | 5 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|----------------------------------|--------|
| SADDLE HORSES. | | |
| Lady Woodnut | T. M. Barstow, San José | \$2 00 |
| Dandy | R. J. Langford, San José | 5 00 |
| GRADED DRAFT STALLIONS. | | |
| Cleveland, four years old and over | J. Mathews, East San José | 15 00 |
| Grandshire, four years old and over | J. Mathews, East San José | 10 00 |
| GRADED DRAFT—BEST SPAN. | | |
| Billy and Sally | G. B. Polhemus, Coyote | 15 00 |
| HORSES OF ALL WORK—STALLIONS. | | |
| Stranger, four years old and over | T. M. Barstow, San José | 15 00 |
| Woodstock, two years old | F. H. Burke, Menlo Park | 8 00 |
| MARES. | | |
| Jeannette and colt | W. M. Williamson, San José | 15 00 |
| Lady Pierce and colt | F. H. Burke, Menlo Park | 10 00 |
| Fannie, four years old and over | F. H. Burke, Menlo Park | 12 00 |
| THOROUGHBRED DAM AND FAMILY. | | |
| Brown Maria | Wm. Boots, Milpitas | 20 00 |
| Mollie H | Wm. Boots, Milpitas | 10 00 |
| FAMILIES. | | |
| Eros (sire) and five colts | F. H. Burke, Menlo Park | 25 00 |
| Billy Thornhill (sire) and five colts | James Boyd, San José | 15 00 |
| Lydia W (dam) and three colts | M. Carter, Irvington | 20 00 |
| JACKS. | | |
| Mascot, three years old | F. H. Burke, Menlo Park | 10 00 |
| MULES—MATCHED SPAN. | | |
| Dan and Ben | Andrew Smith, Redwood City | 10 00 |
| ENGLISH COACH—STALLIONS. | | |
| Gloriation, four years old and over | James Boyd, San José | 20 00 |
| CATTLE—DURHAMS—BULLS. | | |
| 5th Kirklevington of Forest Home, three years old and over | C. Younger & Son, San José | 17 50 |
| 44th Kirklevington of Forest Home, three years old and over | C. Younger & Son, San José | 10 00 |
| 58th Kirklevington of Forest Home, one year old | C. Younger & Son, San José | 8 00 |
| 61st Kirklevington of Forest Home, under one year | C. Younger & Son, San José | 6 00 |
| 62d Kirklevington of Forest Home, under one year | C. Younger & Son, San José | 3 00 |
| COWS. | | |
| 21st Rose of Forest Home and calf | C. Younger & Son, San José | 12 50 |
| Red Dolly 27th and calf | C. Younger & Son, San José | 7 00 |
| 3d Jessie Maynard, three years old and over | C. Younger & Son, San José | 12 50 |
| 4th Jessie Maynard, three years old and over | C. Younger & Son, San José | 7 00 |
| Ethel B, two years old | J. S. Connor, Santa Clara | 10 00 |
| 6th Jessie Maynard, two years old | C. Younger & Son, San José | 5 00 |
| Amelia 16th, one year old | C. Younger & Son, San José | 7 00 |
| Oxford Rose 14th, one year old | C. Younger & Son, San José | 4 00 |
| 35th Rose of Forest Home, under one year | C. Younger & Son, San José | 5 00 |
| 36th Rose of Forest Home, under one year | C. Younger & Son, San José | 3 00 |
| GRADED COWS. | | |
| Bessie, three years old and over | E. H. Freeman, Santa Clara | 10 00 |
| —, two years old | F. H. Burke, Menlo Park | 7 00 |
| GRADED CATTLE—FAT COW OR STEER. | | |
| Nevada Belle 8th | C. Younger & Son, San José | 10 00 |
| Oxford Rose 12th | C. Younger & Son, San José | 5 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------------|---------|
| HERDS—BEEF PURPOSES. | | |
| Bull: 44th Kirklevington of Forest Home; cows: 3d Jessie Maynard, 4th Jessie Maynard, 14th Rose of Forest Home, 21st Rose of Forest Home | C. Younger & Son, San José | \$20 00 |
| Bull: 5th Kirklevington of Forest Home; cows: Red Dolly 27th, Oxford Rose 12th, 5th Jessie Maynard, 6th Jessie Maynard, Nevada Belle 8th | C. Younger & Son, San José | 10 00 |
| HERDS—DAIRY PURPOSES. | | |
| Bull: King Aaggie Clothilde; cows: Ant. Poel, Anna Egmond, Quartie Vrow, Geert Van Diepen | G. B. Polhemus, Coyote | 20 00 |
| Bull: Troy Sedro; cows: Bontje Lincoln 2d, Thissa, Aaggie Lelia 2d, Pres, Koralje 3d | F. H. Burke, Menlo Park | 10 00 |
| HERDS—ANY AGE OR BREED. | | |
| Bull: 44th Kirklevington of F. H.; cows: 4th Jessie Maynard, 5th Jessie Maynard, 14th Rose of F. H., 21st Rose of F. H. | C. Younger & Son, San José | 20 00 |
| Bull: 5th Kirklevington of F. H.; cows: Red Dolly 27th, Oxford Rose 12th, 5th Jessie Maynard, 6th Jessie Maynard, Nevada Belle 8th | C. Younger & Son, San José | 10 00 |
| SWEEPSTAKES. | | |
| Bull—44th Kirklevington of Forest Home. | C. Younger & Son, San José | 20 00 |
| Cow—Ant. Poel | G. B. Polhemus, Coyote | 20 00 |
| MILK CONTEST. | | |
| Tryntje Klinje | S. E. Smith, San José | 20 00 |
| JERSEYS—BULLS. | | |
| Catalpa's Victor, three years old and over. | J. S. Connor, Santa Clara | 17 50 |
| Prince, two years old | G. B. Polhemus, Coyote | 12 50 |
| Reuben D, under one year | J. S. Connor, Santa Clara | 6 00 |
| Squire, under one year | G. B. Polhemus, Coyote | 3 00 |
| COWS. | | |
| Regan L and calf | J. S. Connor, Santa Clara | 12 50 |
| Chepita, three years old and over | G. B. Polhemus, Coyote | 12 50 |
| Lena, three years old and over | J. S. Connor, Santa Clara | 7 00 |
| Daisy, two years old | W. A. Howard, College Park | 10 00 |
| Florence B, one year old | J. S. Connor, Santa Clara | 7 00 |
| Mollie, one year old | J. S. Connor, Santa Clara | 4 00 |
| Bessie, under one year | J. S. Connor, Santa Clara | 5 00 |
| Nellie, under one year | J. S. Connor, Santa Clara | 3 00 |
| HOLSTEINS—BULLS. | | |
| King Aaggie Clothilde, three years old and over | G. B. Polhemus, Coyote | 17 50 |
| Troy Sedro, two years old | F. H. Burke, Menlo Park | 12 50 |
| Thissa Lad, two years old | F. H. Burke, Menlo Park | 8 00 |
| San Mateo, one year old | F. H. Burke, Menlo Park | 5 00 |
| Lord Thissa, one year old | F. H. Burke, Menlo Park | 8 00 |
| Fantje, under one year | G. B. Polhemus, Coyote | 6 00 |
| —, under one year | F. H. Burke, Menlo Park | 3 00 |
| COWS. | | |
| Tryntje and calf | S. E. Smith, San José | 12 50 |
| Koralje 3d and calf | F. H. Burke, Menlo Park | 7 00 |
| Anna Egmont, three years old and over | G. B. Polhemus, Coyote | 7 00 |
| Thissa, three years old and over | F. H. Burke, Menlo Park | 12 50 |
| Rebecca 2d, two years old | G. B. Polhemus, Coyote | 5 00 |
| Von Moltke, two years old | F. H. Burke, Menlo Park | 10 00 |
| Fantje, one year old | G. B. Polhemus, Coyote | 4 00 |
| Menlo Blossom, one year old | F. H. Burke, Menlo Park | 7 00 |
| Fantje 3d, under one year | G. B. Polhemus, Coyote | 5 00 |
| —, under one year | F. H. Burke, Menlo Park | 3 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|----------------------------------|----------------------------------|---------|
| ANGUS OR GALLOWAYS—COW. | | |
| Kitty B and calf | F. H. Burke, Menlo Park | \$17 50 |
| SHEEP—SOUTHDOWNS—RAMS. | | |
| J. Simpkins | D. O. Quinn, San José | 6 00 |
| Tom | D. O. Quinn, San José | 3 00 |
| Pen of three ram lambs | D. O. Quinn, San José | 5 00 |
| EWES. | | |
| Emma | D. O. Quinn, San José | 6 00 |
| Minnie | D. O. Quinn, San José | 3 00 |
| Pen of five ewe lambs | D. O. Quinn, San José | 5 00 |
| SHROPSHIRE. | | |
| Royal Duke (ram) | Andrew Smith, Redwood City | 6 00 |
| — (ewe) | Andrew Smith, Redwood City | 6 00 |
| Pen of three ram lambs | Andrew Smith, Redwood City | 5 00 |
| Pen of five ewe lambs | Andrew Smith, Redwood City | 5 00 |
| ANGORA GOATS. | | |
| Soledad | C. P. Bailey, San José | 6 00 |
| Eclipse | C. P. Bailey, San José | 3 00 |
| Pen of five goats | C. P. Bailey, San José | 5 00 |
| POULTEY—DARK BRAHMAS. | | |
| Cockerel and pullet | F. H. Snow, San José | 2 50 |
| One pen | O. J. Albee, Lawrence | 5 00 |
| Cock and hen | O. J. Albee, Lawrence | 2 50 |
| PLYMOUTH ROCKS—WHITE. | | |
| One pen | E. H. Freeman, Santa Clara | 5 00 |
| Cock and hen | E. H. Freeman, Santa Clara | 2 50 |
| Cockerel and pullet | E. H. Freeman, Santa Clara | 2 50 |
| BUFF COCHINS. | | |
| Cock and hen | F. H. Snow, San José | 2 50 |
| PARTRIDGE COCHINS. | | |
| One pen | E. H. Freeman, Santa Clara | 5 00 |
| Cock and hen | E. H. Freeman, Santa Clara | 2 50 |
| Cockerel and pullet | E. H. Freeman, Santa Clara | 2 50 |
| WHITE LEGHORNS. | | |
| One pen | E. H. Freeman, Santa Clara | 5 00 |
| Cock and hen | E. H. Freeman, Santa Clara | 2 50 |
| Cockerel and pullet | E. H. Freeman, Santa Clara | 2 50 |
| BLACK LANGSHANS. | | |
| One pen | O. J. Albee, Lawrence | 5 00 |
| Cock and hen | O. J. Albee, Lawrence | 2 50 |
| Cockerel and pullet | O. J. Albee, Lawrence | 2 50 |
| WHITE LANGSHANS. | | |
| One pen | O. J. Albee, Lawrence | 5 00 |
| Cock and hen | O. J. Albee, Lawrence | 2 50 |
| Cockerel and pullet | O. J. Albee, Lawrence | 2 50 |
| JAPAN BANTAMS. | | |
| Cockerel and pullet | F. H. Snow, San José | 2 50 |
| BLACK-BREASTED RED GAME BANTAMS. | | |
| One pen | F. H. Snow, San José | 5 00 |
| Cock and hen | E. H. Freeman, Santa Clara | 2 50 |
| Cockerel and pullet | F. H. Snow, San José | 2 50 |
| PEKIN DUCKS. | | |
| One pair (old) | E. H. Freeman, Santa Clara | 3 00 |
| One pair (young) | E. H. Freeman, Santa Clara | 2 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------------|----------------------------------|--------|
| SILVER WYANDOTTES. | | |
| One pen | E. H. Freeman, Santa Clara | \$5 00 |
| Cockerel and pullet | E. H. Freeman, Santa Clara | 2 50 |
| Cock and hen | E. H. Freeman, Santa Clara | 2 50 |
| WHITE WYANDOTTES. | | |
| One pen | O. J. Albee, Lawrence | 5 00 |
| Cock and hen | E. H. Freeman, Santa Clara | 2 50 |
| Cockerel and pullet | E. H. Freeman, Santa Clara | 2 50 |
| GOLDEN WYANDOTTES. | | |
| Cock and hen | E. H. Freeman, Santa Clara | 2 50 |
| One pen | O. J. Albee, Lawrence | 5 00 |
| BLACK LEGHORNS. | | |
| One pen | E. H. Freeman, Santa Clara | 5 00 |
| ROSE COMB WHITE LEGHORNS. | | |
| One pen | E. H. Freeman, Santa Clara | 5 00 |
| PEKIN BANTAMS. | | |
| One pen | E. H. Freeman, Santa Clara | 5 00 |
| Cock and hen | E. H. Freeman, Santa Clara | 2 50 |
| Cockerel and pullet | E. H. Freeman, Santa Clara | 2 50 |
| GOLDEN SEABRIGHT BANTAMS. | | |
| One pen | E. H. Freeman, Santa Clara | 5 00 |
| Cock and hen | E. H. Freeman, Santa Clara | 2 50 |
| Cockerel and pullet | E. H. Freeman, Santa Clara | 2 50 |
| WHITE MANASKA. | | |
| One pair | E. H. Freeman, Santa Clara | 2 50 |
| WHITE BANTAMS. | | |
| One pen | F. H. Snow, San José | 5 00 |
| Cockerel and pullet | F. H. Snow, San José | 2 50 |
| BROWN LEGHORNS. | | |
| One pen | O. J. Albee, Lawrence | 5 00 |
| Cock and hen | O. J. Albee, Lawrence | 2 50 |
| Cockerel and pullet | O. J. Albee, Lawrence | 2 50 |
| BARRED PLYMOUTH ROCKS. | | |
| One pen | O. J. Albee, Lawrence | 5 00 |
| Cock and hen | O. J. Albee, Lawrence | 2 50 |
| Cockerel and pullet | O. J. Albee, Lawrence | 2 50 |
| SWINE—BERKSHIRES—BOARS. | | |
| Jack the Ripper, over one year | J. S. Connor, Santa Clara | 7 50 |
| Jumbo, under one year | Andrew Smith, Redwood City | 6 00 |
| McGinty, under one year | J. S. Connor, Santa Clara | 3 00 |
| SOWS. | | |
| Abbie 4th, over one year | J. S. Connor, Santa Clara | 7 00 |
| Princess, over one year | Andrew Smith, Redwood City | 4 00 |
| Sally 12th, under one year | Andrew Smith, Redwood City | 6 00 |
| Abbie 5th, under one year | J. S. Connor, Santa Clara | 3 00 |
| POLAND-CHINA—BOARS. | | |
| Prince, under one year | Andrew Smith, Redwood City | 6 00 |
| SOWS. | | |
| Ruby, over one year | Andrew Smith, Redwood City | 7 00 |
| Pendora 2d, under one year | Andrew Smith, Redwood City | 6 00 |
| Pendora 3d, under one year | Andrew Smith, Redwood City | 3 00 |
| PEN OF ANY BREED. | | |
| Pen of five | J. S. Connor, Santa Clara | 10 00 |
| Pen of five | Andrew Smith, Redwood City | 5 00 |

MISCELLANEOUS EXHIBITS.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|-----------------------------------|-----------|
| Case horseshoes | W. H. Deprim, San José | Blue rib. |
| "Sunbeam" washing machine | S. M. Shaffer, Livermore | 1st dip. |
| "Perfect" washer | T. G. Hutchinson, San José | 2d dip. |
| Garden City incubator | The Hatch Company, San José | S. med. |
| Champion wringer | S. M. Shaffer, Livermore | 1st dip. |
| One pair maltese cats | Mrs. F. H. Snow, San José | 1st prem. |

SPEED PROGRAMME.

MONDAY, AUGUST 10, 1891.

RACE No. 1—TROTTING.

Santa Clara County Trotting Stake for yearlings; \$100 added. Closed with fifteen nominations. Dash of one mile.

| | |
|---|---|
| Coffin Bros.' Pacific, by Jim L | 1 |
| Agnew Stock Farm's Hillsdale, by Antoninous | 2 |
| Horace Little's Terracewood, by Woodnut | 3 |
| J. W. Rea's Tiptinous, by Antoninous | 4 |
| Acorn Stable's Mellville, by Jim Mulvenna | 5 |

Time—3:01.

RACE No. 2—TROTTING.

Santa Clara County Trotting Stake for two-year olds; \$150 added. Closed with thirteen nominations. Mile heats, best two in three.

| | | |
|--|------|---|
| D. J. Murphy's Nubia, by Soudan | 1 | 1 |
| Boyce & Topham's Minnie B, by Billy Thornhill | 2 | 2 |
| Thos. F. Casey's May Queen, by May Boy | 3 | 3 |
| W. H. Vioget's Premier, by Eros | dis. | |
| Jas. Weatherhead's Young Harold, by Royal George | dis. | |
| N. L. Stockton's Freddie S, by King William | dis. | |

Time—2:47; 2:45.

RACE No. 3—TROTTING.

Santa Clara County Trotting Stake for three-year olds; \$200 added. Closed with six nominations. Mile heats, best three in five.

| | | | |
|---|------|---|------|
| H. G. Cox's Foster, by Boxwood | 1 | 1 | 1 |
| T. S. Montgomery's Coronado, by Menlo | 2 | 2 | 2 |
| W. M. Dixon's Electionita, by Prince Albert | 3 | 3 | dis. |
| E. C. Reese's Queen Anne, by King William | dis. | | |
| Nutwood Stock Farm's Ben C, by California Nutwood | dr. | | |

Time—2:42; 2:47; 2:48.

RACE No. 4—TROTTING.

2:20 Class. Purse, \$1,000. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| La Siesta Ranch's Wanda, by Eros | 1 | 1 | 1 |
| G. W. Theuerkauf's Lee, by General Lee | 2 | 3 | 2 |
| J. W. Donathan's Franklin, by General Reno | 3 | 2 | 3 |

Time—2:20; 2:18; 2:19.

TUESDAY, AUGUST 11, 1891.

RACE No. 5—TROTTING.

Free for all two-year olds; \$200 added. Closed with ten nominations. Mile heats, best two in three.

| | | |
|--|---|---|
| Palo Alto Stock Farm's Arion, by Electioneer | 1 | 1 |
| San Mateo Stock Farm's Sabina, by Sable Wilkes | 2 | 2 |
| H. P. Perkins' Rosiris, by Iris | 3 | 3 |

Time—2:31; 2:25½.

RACE No. 6—TROTTING.

2:30 Class. Purse, \$1,000. Mile heats, best three in five.

| | | | | | | |
|--|---|---|---|---|---|------|
| James Boyd's Billy Thornhill, by Beverly Wilkes | 3 | 2 | 2 | 1 | 1 | 1 |
| Nutwood Stock Farm's Nutwood Wilkes, by Guy Wilkes | 2 | 1 | 1 | 2 | 2 | 3 |
| H. D. Harris' Delmas, by Almoen | 1 | 3 | 3 | 4 | 3 | 2 |
| C. J. Cox's Bay Rum, by John Sevenoaks | 4 | 4 | 4 | 8 | 4 | r.o. |

Time—2:29½; 2:29½; 2:27½; 2:28½; 2:32½; 2:31.

RACE No. 7—PACING.

2:25 Class. Purse, \$300. Mile heats, best three in five.

| | | | | |
|---|-----|---|------|---|
| O. A. Hickok's Charlie C, by Piedmont | 4 | 1 | 1 | 1 |
| John A. Goldsmith's Allanah, by Guy Wilkes | 1 | 2 | 2 | 3 |
| La Siesta Ranch's Dr. Swift, by Baywood | 2 | 3 | 3 | 2 |
| Nutwood Stock Farm's Lida W, by Nutwood | 3 | 4 | dis. | |
| Agnew Stock Farm's Boswell, Jr., by Boswell | dr. | | | |

Time—2:19½; 2:18½; 2:21½; 2:22.

WEDNESDAY, AUGUST 12, 1891.

RACE No. 9—RUNNING.

For all ages; \$25 entrance; \$10 forfeit; \$150 added; \$50 to second; \$25 to third. Three quarters of a mile.

| | |
|--|---|
| O. Appleby's Alfarata, by Wildidle | 1 |
| W. B. Sanborn's Inkerman, by Ironclad | 2 |
| Elmwood Stable's Initiation, by Inauguration | 3 |
| Owen Bros.' Daisy D, by Wheatley | 0 |
| Chas. Cockrill's Sentella, by Ironclad | 0 |

Time—1:18.

RACE No. 10—RUNNING.

For two-year olds; \$25 entrance; \$10 forfeit; \$150 added; \$50 to second; \$25 to third. Five eighths of a mile.

| | |
|--|---|
| O. Appleby's Esperanza, by Judge McKinstry | 1 |
| Dickey & Thomas' Pescador, by Gano | 2 |
| Owen Bros.' Gracie C, by Joe Hooker | 3 |

Time—1:02½.

RACE No. 11—RUNNING.

For all ages; \$25 entrance; \$10 forfeit; \$200 added, with \$50 to second; \$25 to third. One and one eighth miles.

| | |
|---|---|
| D. Bridges' John Treat, by Shiloh..... | 1 |
| O. Appleby's Wild Rose, by Wildidle..... | 2 |
| Fashion Stable's Cheerful, by Three Cheers..... | 3 |
| Elmwood Stable's Ledon, by Nathan Coombs..... | 0 |
| W. B. Sanborn's Mamie C, by Harry Peyton..... | 0 |

Time—1:57.

RACE No. 12—RUNNING.

Selling purse, \$250; \$50 to second horse; for all ages. Three quarters of a mile and repeat.

| | | |
|---|---|---|
| Elmwood Stable's Nerva, by Bob Wooding..... | 1 | 1 |
| O. Appleby's Fanny F, by Wildidle..... | 2 | 2 |
| G. C. Owen's Vinco, by Bob Wooding..... | 3 | 3 |

Time—1:16; 1:16½.

THURSDAY, AUGUST 13, 1891.

RACE No. 13—TROTTING.

San Mateo County Stake (trotting and pacing). For two-year olds; \$150 added. Closed with twelve nominations. Mile heats, best two in three.

| | | |
|---|---|---|
| E. A. Husing's Headlight, by Le Grande..... | 1 | 1 |
| Thomas Casey's May Queen, by May Boy..... | 3 | 2 |
| H. Sanderson's Calliope, by Sidney..... | 2 | 3 |

Time—2:51½; 2:54½.

RACE No. 14—TROTTING.

Free for all three-year olds; \$250 added. Closed with eleven nominations. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| San Mateo Stock Farm's Vida Wilkes, by Guy Wilkes..... | 1 | 1 | 1 |
| Palo Alto Stock Farm's Elleneer, by Electioneer..... | 2 | 2 | 2 |
| H. P. Perkins' Wild Rose, by Bay Rose..... | 3 | 3 | 3 |

Time—2:27; 2:25; 2:29.

RACE No. 15—PACING.

2:15 Class. Purse, \$1,000. Mile heats, best three in five.

| | | | |
|---|---|------|---|
| L. M. Morse's Princess Alice, by Dexter Prince..... | 1 | 1 | 1 |
| John A. Goldsmith's Rupee, by Guy Wilkes..... | 2 | 2 | 2 |
| John Garrity's Hummer, by Sidney..... | 3 | dis. | |

Time—2:18; 2:17½; 2:17½.

FRIDAY AUGUST 14, 1891.

RACE No. 17—RUNNING.

Handicap sweepstakes, for all ages; \$25 entrance; \$10 forfeit; \$250 added; \$50 to second; \$25 to third. One and one quarter miles.

| | |
|---|---|
| O. Appleby's Alfarata, by Wildidle..... | 1 |
| D. Bridges' John Treat, by Shiloh..... | 2 |
| Fashion Stable's Cheerful, by Three Cheers..... | 3 |

Time—2:11.

RACE No. 18—RUNNING.

For two-year olds; \$25 entrance; \$10 forfeit; \$150 added; \$50 to second; \$25 to third. Winner of No. 10 to carry five pounds extra. Five eighths of a mile.

| | |
|--|---|
| Elmwood Stable's Ledon, by Nathan Coombs | 1 |
| O. Appleby's Fanny F, by Wildidle | 2 |
| Charles Cockrill's Sentella, by Ironclad | 3 |
| Owen Bros.' Gracie C, by Joe Hooker | 0 |
| W. B. Sanborn's Pat Carroll, by Ironclad | 0 |

Time—1:04.

RACE No. 19—RUNNING.

For all ages; \$25 entrance; \$10 forfeit; \$150 added; \$50 to second; \$25 to third. Seven eighths of a mile.

| | |
|--|---|
| Elmwood Stable's Initiation, by Inauguration | 1 |
| Owen Bros.' Captain Al, by Kingston | 2 |
| W. B. Sanborn's Mamie C, by Harry Peyton | 3 |

Time—1:28½.

RACE No. 20—RUNNING.

Selling purse, \$150; \$50 to second; for all ages. Five eighths of a mile and repeat.

| | | |
|--|---|---|
| D. Reeves' Onti Ora, by Alta | 1 | 1 |
| Matt Green's Mayfield, by Wildidle | 2 | 2 |
| Elmwood Stable's Ledon, by Nathan Coombs | 3 | 3 |
| O. Appleby's Speculation, by Duke of Norfolk | 4 | 4 |

Time—1:06½; 1:04½.

SATURDAY, AUGUST 15, 1891.

RACE No. 21—TROTTING.

2:24 Class. Purse, \$1,000. Mile heats, best three in five.

| | | | | |
|--|---|------|---|---|
| J. A. Goldsmith's Una Wilkes, by Guy Wilkes | 4 | 1 | 1 | 1 |
| O. A. Hickok's Guide, by Director | 2 | 2 | 2 | 2 |
| Agnew Stock Farm's Lynette, by Lynwood | 1 | dis. | | |
| Palo Alto Stock Farm's Coral, by Electioneer | 8 | dis. | | |

Time—2:22½; 2:23½; 2:22; 2:25½.

RACE No. 22—TROTTING.

2:27 Class. Purse, \$1,000. Mile heats, best three in five.

| | | | | |
|--|------|---|---|---|
| C. A. Durfee's McKinney, by Alcyone | 2 | 1 | 1 | 1 |
| Chas. F. Foster's Flora M | 1 | 3 | 3 | 3 |
| Nutwood Stock Farm's Maud C, by California Nutwood | 3 | 2 | 2 | 2 |
| A. G. Wilson's Lucky Jim | dis. | | | |
| O. A. Hickok's Baden, by Steinway | dis. | | | |

Time—2:22; 2:29½; 2:22; 2:25.

RACE No. 23—TROTTING.

Free purse, \$100. Mile heats, best three in five.

| | | | | | | |
|--|------|---|---|---|---|-------|
| Funk Bros.' Lizzie F, by Richards' Elector | 2 | 3 | 2 | 1 | 1 | 1 |
| John Kinnon's Lightfoot, by Lottery | 1 | 2 | 1 | 3 | 3 | 2 |
| L. A. Richards' Leck, by Richards' Elector | 3 | 1 | 3 | 4 | 4 | 3 |
| Palo Alto Stock Farm's El Lero, by Ansel | 4 | 4 | 4 | 2 | 2 | r. o. |
| La Siesta Ranch's Daylight, by Eros | dis. | | | | | |

Time—2:31; 2:29; 2:31; 2:30; 2:30; 2:29.

RACE No. 24—TROTTING.

Match race between two-year olds.

| | |
|--|------|
| Palo Alto Stock Farm's Starlight, by Electioneer | 1 |
| H. P. Perkins' Rosiris, by Iris | dis. |

Time—2:28½.

EXHIBITION RACES.

Palo Alto Stock Farm's yearling filly, Rowena, by Azmoor, trotted a mile in 2:37.
 Palo Alto Stock Farm's Palo Alto, by Electioneer, trotted a half mile in 1:07.
 T. W. Barstow's Cyrus R trotted a mile in 2:26.

TRANSACTIONS

OF THE

SIXTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the County of Los Angeles.

OFFICERS OF THE ASSOCIATION.

| | |
|-----------------------|------------|
| L. LICHTENBERGER..... | President. |
| B. BENJAMIN..... | Secretary. |
| E. F. SPENCE..... | Treasurer. |

DIRECTORS.

| | |
|-----------------------|-----------------|
| J. C. NEWTON..... | South Pasadena. |
| GEORGE HINDS..... | Wilmington. |
| E. T. WRIGHT..... | Los Angeles. |
| R. R. BROWN..... | Los Angeles. |
| H. W. HEINSCH..... | Los Angeles. |
| A. W. BARRETT..... | Los Angeles. |
| THOMAS BANBURY..... | Pasadena. |
| L. LICHTENBERGER..... | Los Angeles. |

REPORT.

LOS ANGELES, December 28, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The twelfth annual fair of the Sixth District Agricultural Association was the most successful in the history of the association in every respect. The entries for the premiums were much more numerous than in past years. The horticultural and agricultural display was held at the Chamber of Commerce, and the live stock and poultry display at the Agricultural Park. The formal opening at the Chamber of Commerce took place Tuesday evening, October 20th. There was a large attendance. Seats on the stage were occupied by the Directors of the Sixth District Agricultural Association, and of the Chamber of Commerce.

President L. Lichtenberger made the opening address. He welcomed the assembled visitors to the twelfth annual fair of the Sixth District Agricultural Association in a few appropriate remarks. He referred to the difference between the State appropriation of \$40,000 and the \$3,000 for this district. He also complimented the Chamber of Commerce on their good work.

President C. M. Wells, of the Chamber of Commerce, also made a few well chosen remarks. He said that he thought it better, instead of a speech, to let the exhibits speak for themselves. He then introduced the Hon. Stephen M. White.

Mr. White made a short, informal talk, but in his inimitable style, in which he referred to the old times when it was not thought that California could produce such a bewildering variety of products as here shown. Those were the days when California imported so much more largely than now. He spoke of the products of the soil as being those which can be called into being by a tropic sun, and those which can be brought to fruition by a more temperate clime, as all being included in the display before the visitors. The population, he considered, would grow amazingly in the future, and he hoped each year the fair would be repeated and augmented, and that they will demonstrate as an object lesson the truth of the statement so often made, that this is the garden spot of the earth.

Mr. L. E. Mosher then delivered the following vigorous and rhythmic poem:

THE MAN WITH THE LITTLE TIN PAIL.

The poets have sung of the hero of wars
Since time first began, until date.
They have lauded his valor, exploited his scars,
And the blood that he shed for the State.
But mine is the theme of that every-day chap
Who wears neither sword-knot nor mail,
Whose battlefield's everywhere down on the map—
The man with the little tin pail.

In the broad yellow fields flooded over with sun,
Where the harvester whirrs out its song,
Where the ground-squirrel flits and the fruited vines run,
And the furrows are many and long,
He follows the wake of the glittering plow
As the snowy foam follows the sail—
This jumper-clothed, valorous hero of now—
The man with the little tin pail.

Where the nerve-racking thrasher, high into the air,
Casts cyclonic breathings of chaff
On the spot where the seed-sower late ruled its square,
To the tune of the tickled soil's laugh,
He labors with faith in a future benign—
A faith that no creed dare assail,
And on Mother Earth's face he emblazons his sign—
This man with the little tin pail.

In the mine's dizzy deeps, in the winzes and drifts,
Where the ore bodies shrink from the view,
He flashes his pick, as the creaking cage lifts
The coin in the rough up for you.
And where the coal ledges their ebony veins hide
Beneath the tall mountains of grail,
We find him, this base of all wealth, in his pride—
The man with the little tin pail.

In the orchard's dark depths where the golden globes shine,
And the apple trees shed their sweet blooms,
Where the musical mocking-bird lifts out his line,
And the corn tassels shake out their brooms,
He holds in fee simple the sun and the soil
Direct from his Maker entail,
And the lush harvest reaps as the toll for his toil—
This man with the little tin pail.

In mills where the whirling wheels tremble and crush,
And the white-heated furnaces glow;
Where thro' chute and conveyor the yellow streams rush,
To be changed to the daintiest snow,
He comes on the scene as a genii in white,
Who walks with a floury trail—
This every-day hero, but not less a knight,
The man with the little tin pail.

At the forge where the iron bars sputter and flame
And the steam-hammer's baton beats time,
He creates, for far lesser men, money and fame,
And improves the designer's design.
To the throb of the engine he fastens the kedge,
While the sparks, pouring out their red hail,
Coruscate a salute from this man of the sledge—
The man with the little tin pail.

Not a tower nor pinnacle climbs to the sky
But sounds him a peon of praise!
Not a harvest-wain comes from the fields loaded high,
But exalts him and crowns him with bays!
Not a keel cuts a gash on the breast of the blue,
Not a barkentine flutters a sail
O'er the tremulous surge, but exploits him anew—
This man with the little tin pail.

So my rhyme it is tuned to the musical chimes
That the anvil and trip-hammer rings,
Whose cadences beat on the air of all climes
Like the rhythm of harps and of wings.
Enraptured, I see him push into the dawn,
A world that without him would fail;
And I pledge in these stanzas that hero of brawn,
The man with the little tin pail!

The exhibit at Agricultural Park was first class, and taxed the accommodations to the fullest extent. Thousands of people watched the speed contests, and on the last day the seating capacity was inadequate for the hundreds that flocked in from all over Southern California.

B. BENJAMIN,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|--|-----------|--------------------|
| From cash on hand..... | \$92 55 | |
| From sale of privileges..... | 1,890 50 | |
| From gates, grand stand, and pools..... | 11,588 00 | |
| From exhibitors..... | 180 00 | |
| From rent of grounds and club house..... | 996 00 | |
| From State appropriation..... | 3,500 00 | |
| From sale of horse-power..... | 70 00 | |
| From Mr. Burke..... | 25 00 | |
| From American Trotting Association..... | 28 50 | |
| From donations and collections..... | 45 00 | |
| From entrance to races..... | 3,252 70 | |
| | | <u>\$21,623 25</u> |

Expenditures.

| | | |
|---|----------|--------------------|
| Unpaid purse, 1890..... | \$100 00 | |
| Note and interest, First National Bank..... | 2,078 33 | |
| J. Roberts, attorney's fees..... | 150 00 | |
| J. H. Steiner..... | 82 00 | |
| Insurance on buildings..... | 386 25 | |
| Office rent..... | 180 00 | |
| Secretary's salary..... | 495 25 | |
| Lumber, hardware, and labor on new sheds and fence..... | 344 67 | |
| Dues, American Trotting Association..... | 55 00 | |
| Tickets, entry blanks, premium lists, and printing..... | 354 05 | |
| Hay and straw..... | 318 41 | |
| Lithographs..... | 127 45 | |
| Band and band wagons..... | 355 00 | |
| Sprinkling streets..... | 18 00 | |
| Use of chairs, telephone, and sundries..... | 78 15 | |
| Expenses of Improvement Committee inspecting other tracks, etc..... | 200 00 | |
| Advertising..... | 950 00 | |
| Payroll, employes..... | 704 50 | |
| Purses..... | 9,662 00 | |
| Premiums awarded at Chamber of Commerce..... | 1,035 00 | |
| Premiums awarded at Park..... | 2,015 42 | |
| Balance on hand..... | 1,938 77 | |
| | | <u>\$21,623 25</u> |

PREMIUMS AWARDED—1891.

DIVISION A—HORSES.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|---------|
| CLASS I—THOROUGHBREDS—STALLIONS. | | |
| Siempre, four years old and over | H. M. Johnston, San Jacinto | \$25 00 |
| Dr. Crawford, four years old and over | J. M. Fuque, South Riverside | 15 00 |
| Wild Deer, three years old | John Gries, Compton | 20 00 |
| Sinfax, three years old | Cy. Mulkey, San José | 8 00 |
| Clifton, two years old | W. W. Alward, Los Angeles | 15 00 |
| —, two years old | H. M. Johnston, San Jacinto | 12 00 |
| Len Martin, one year old | Mrs. Chas. Thomas, San Jacinto | 5 00 |
| —, one year old | John Gries, Compton | 10 00 |
| Charles T, suckling | Mrs. Chas. Thomas, San Jacinto | 5 00 |
| —, suckling | John Gries, Compton | |
| MARES. | | |
| Empress, four years old and over | B. F. Bragg, Los Angeles | 20 00 |
| Vada, four years old and over | M. L. Eckles, Pomona | 10 00 |
| Lady O'Shea, one year old | John Gries, Compton | 8 00 |
| FAMILIES. | | |
| Meda Howard and suckling colt | Mrs. Chas. Thomas, San Jacinto | 15 00 |
| Nellie G and suckling colt | John Gries, Compton | 8 00 |
| Nellie G and two colts | John Gries, Compton | 20 00 |
| CLASS II—STANDARD BRED—STALLIONS. | | |
| Al Waltham, four years old and over | Elias Williams, University | 15 00 |
| Gossiper, four years old and over | C. A. Durfee, Los Angeles | 25 00 |
| Premier, three years old | C. A. Durfee, Los Angeles | 20 00 |
| Judd, two years old | John Gries, Compton | 15 00 |
| Pride, one year old | J. C. Newton, South Pasadena | 6 00 |
| Prime, one year old | C. A. Durfee, Los Angeles | 12 00 |
| MARES. | | |
| Minna Bell, two years old | C. A. Durfee, Los Angeles | 10 00 |
| —, one year old | George Hinds, Wilmington | 8 00 |
| Reta, one year old | C. A. Durfee, Los Angeles | 4 00 |
| Little Agnes, suckling | C. A. Durfee, Los Angeles | 6 00 |
| —, suckling | J. C. Newton, South Pasadena | 8 00 |
| GELDING. | | |
| —, two years old | J. C. Newton, South Pasadena | 10 00 |
| FAMILIES. | | |
| Dam with suckling | C. A. Durfee, Los Angeles | 15 00 |
| Dam with suckling | Ed. Dupuy, Los Angeles | 8 00 |
| Sire and five of his colts | C. A. Durfee, Los Angeles | 30 00 |
| Dam and two of her colts | C. A. Durfee, Los Angeles | 20 00 |
| CLASS III—ROADSTERS—STALLIONS. | | |
| California, four years old and over | Thomas Story, Burbank | 25 00 |
| Goldnut, four years old and over | Elias Williams, University | 12 00 |
| Beeda, three years old | Ed. Dupuy, Los Angeles | 20 00 |
| Rustam, three years old | George Carson, Compton | 10 00 |
| Ajar, two years old | George Grimson, Los Angeles | 15 00 |
| Goldfinder, one year old | C. D. Barnett, Centinella | 12 00 |
| —, suckling | J. C. Newton, South Pasadena | 8 00 |
| Goldleaf, suckling | A. K. Nudson, Los Angeles | 4 00 |

DIVISION A—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------------------|---------|
| MARES. | | |
| —, four years old and over..... | C. A. Durfee, Los Angeles..... | Ribbon. |
| Manoa, three years old..... | Thomas Story, Burbank..... | \$12 00 |
| Miss Goldnut, three years old..... | Elias Williams, University..... | 6 00 |
| —, two years old..... | L. Snodgrass, Los Angeles..... | 10 00 |
| Rosetta, two years old..... | T. A. Case, Camulos..... | 5 00 |
| Daisy, one year old..... | George Comely, Los Angeles..... | 8 00 |
| Mabel, one year old..... | Thomas Story, Burbank..... | 4 00 |
| —, suckling..... | James A. Tyres, Downey..... | 6 00 |
| Miss Maywood, suckling..... | F. H. Messmore, Los Angeles..... | 3 00 |
| GELDING. | | |
| Picaro, two years old..... | Elias Williams, University..... | 10 00 |
| FAMILIES. | | |
| Puss and suckling colt..... | George Carson, Compton..... | 15 00 |
| Maggie C and suckling colt..... | J. C. Newton, South Pasadena..... | 8 00 |
| Goldnut and five colts..... | Elias Williams, University..... | 25 00 |
| California and five colts..... | Thomas Story, Burbank..... | 15 00 |
| — and two colts..... | J. C. Newton, South Pasadena..... | 15 00 |
| Puss and two colts..... | George Carson, Compton..... | |
| CLASS IV—CLEVELAND BAY—STALLIONS. | | |
| Montrose, four years old and over..... | Henrietta Stock Farm, Compton..... | 25 00 |
| Quadravo, four years old and over..... | H. M. Johnston, San Jacinto..... | 12 00 |
| —, suckling..... | Henrietta Stock Farm, Compton..... | 8 00 |
| MARES. | | |
| Maud, three years old..... | S. Tyler, Pasadena..... | 12 00 |
| Flora Almont, three years old..... | Dr. B. F. Bragg, Los Angeles..... | 6 00 |
| —, suckling..... | Henrietta Stock Farm, Compton..... | 6 00 |
| GELDING. | | |
| Parry J, two years old..... | Adina Mitchell, Los Angeles..... | 10 00 |
| FAMILIES. | | |
| Nellie M and suckling colt..... | Adina Mitchell, Los Angeles..... | 15 00 |
| Montrose and five colts..... | Henrietta Stock Farm, Compton..... | 25 00 |
| Nellie M and two colts..... | Adina Mitchell, Los Angeles..... | 15 00 |
| CLASS V. | | |
| Pair matched road horses..... | N. A. Covarrubias, Los Angeles..... | 20 00 |
| Pair matched road horses..... | R. F. Simmons, Boston, Mass..... | 10 00 |
| Single road horse..... | R. F. Simmons, Boston, Mass..... | 8 00 |
| CLASS VI. | | |
| Pair matched carriage horses..... | N. A. Covarrubias, Los Angeles..... | 20 00 |
| CLASS VII—PONIES. | | |
| Sport, three years old..... | J. W. Gardner, Los Angeles..... | 10 00 |
| Santa Clara, three years old..... | Geo. L. Waring, Santa Monica..... | 8 00 |
| Snip, three years old..... | J. W. Gardner, Los Angeles..... | 4 00 |
| Nig and Jet, matched ponies..... | J. W. Gardner, Los Angeles..... | 15 00 |
| Santa Clara, pony in harness..... | Geo. L. Waring, Santa Monica..... | 10 00 |
| CLASS VII—SADDLE HORSES. | | |
| Best..... | N. A. Covarrubias, Los Angeles..... | 10 00 |
| Second best..... | Ed. O'Melvany, Los Angeles..... | 5 00 |
| CLASS IX—DRAFT HORSES. | | |
| Stallion, three years old and over..... | Celestin & Gormerly, Los Angeles..... | 15 00 |
| Stallion, three years old and over..... | Holbert & Conger, Los Angeles..... | 25 00 |
| Stallion, two years old..... | A. Callens, Hueneme..... | 20 00 |
| Stallion, two years old..... | A. Callens, Hueneme..... | 10 00 |
| Stallion, suckling..... | John Johnson, Compton..... | 10 00 |
| Sire and five of his colts..... | Celestin & Gormerly, Los Angeles..... | Ribbon. |

DIVISION B—CATTLE.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------------|------------------------------------|---------|
| CLASS I—DURHAMS. | | |
| Bull, three years old and over..... | C. Younger & Son, San José..... | \$20 00 |
| Bull, three years old and over..... | C. Younger & Son, San José..... | 10 00 |
| Bull, one year old..... | C. Younger & Son, San José..... | 10 00 |
| Bull, one year old..... | C. Younger & Son, San José..... | 6 00 |
| Bull calf..... | C. Younger & Son, San José..... | 8 00 |
| Bull calf..... | C. Younger & Son, San José..... | 4 00 |
| Cow, three years old and over..... | C. Younger & Son, San José..... | 20 00 |
| Cow, three years old and over..... | C. Younger & Son, San José..... | 10 00 |
| Cow, two years old..... | C. Younger & Son, San José..... | 15 00 |
| Cow, two years old..... | C. Younger & Son, San José..... | 8 00 |
| Heifer, one year old..... | C. Younger & Son, San José..... | 10 00 |
| Heifer, one year old..... | C. Younger & Son, San José..... | 6 00 |
| Heifer calf..... | C. Younger & Son, San José..... | 8 00 |
| Heifer calf..... | C. Younger & Son, San José..... | 4 00 |
| Herd—male and four females..... | C. Younger & Son, San José..... | 20 00 |
| CLASS II. | | |
| Bull, three years old and over..... | Adina Mitchell, Los Angeles..... | 20 00 |
| Bull, three years old and over..... | M. L. Eckles, Pomona..... | 20 00 |
| Bull, two years old..... | Alwelda Y. Locke, Compton..... | 15 00 |
| Bull, two years old..... | Mrs. J. E. Ellis, Los Angeles..... | 6 00 |
| Bull, one year old..... | Sessions & Co., Los Angeles..... | 10 00 |
| Bull, one year old..... | Dr. E. Bronson, Redondo..... | 8 00 |
| Bull calf..... | Sessions & Co., Los Angeles..... | 4 00 |
| Bull calf..... | M. L. Eckles, Pomona..... | 20 00 |
| Cow, three years old and over..... | Sessions & Co., Los Angeles..... | 10 00 |
| Cow, three years old and over..... | M. L. Eckles, Pomona..... | 15 00 |
| Cow, two years old..... | M. L. Eckles, Pomona..... | 8 00 |
| Cow, two years old..... | Alwelda Y. Locke, Compton..... | 10 00 |
| Heifer, one year old..... | Sessions & Co., Los Angeles..... | 6 00 |
| Heifer, one year old..... | M. L. Eckles, Pomona..... | 8 00 |
| Heifer calf..... | Sessions & Co., Los Angeles..... | 20 00 |
| Heifer calf..... | Mrs. J. E. Ellis, Los Angeles..... | |
| Herd—male and four females..... | Sessions & Co., Los Angeles..... | |
| CLASS V—HOLSTEINS. | | |
| Bull, three years old and over..... | Frank E. Stockwell, Compton..... | 20 00 |
| Bull, three years old and over..... | F. H. Burke, Menlo Park..... | 10 00 |
| Bull, two years old..... | F. H. Burke, Menlo Park..... | 15 00 |
| Bull, two years old..... | F. H. Burke, Menlo Park..... | 8 00 |
| Bull, one year old..... | F. H. Burke, Menlo Park..... | 10 00 |
| Bull, one year old..... | F. H. Burke, Menlo Park..... | 6 00 |
| Bull calf..... | F. H. Burke, Menlo Park..... | 4 00 |
| Bull calf..... | Frank E. Stockwell, Compton..... | 8 00 |
| Cow, three years old and over..... | Frank E. Stockwell, Compton..... | 20 00 |
| Cow, three years old and over..... | Frank E. Stockwell, Compton..... | 10 00 |
| Cow, two years old..... | F. H. Burke, Menlo Park..... | 15 00 |
| Cow, two years old..... | F. H. Burke, Menlo Park..... | 8 00 |
| Heifer, one year old..... | S. J. Stockwell, Compton..... | 6 00 |
| Heifer, one year old..... | S. J. Stockwell, Compton..... | 10 00 |
| Heifer calf..... | F. H. Burke, Menlo Park..... | 8 00 |
| Heifer calf..... | F. H. Burke, Menlo Park..... | 10 00 |
| Herd—male and four females..... | Frank E. Stockwell, Compton..... | 20 00 |
| Herd—male and four females..... | | |
| CLASS VI—GRADED. | | |
| Cow, three years old and over..... | Sessions & Co., Los Angeles..... | 15 00 |
| Cow, three years old and over..... | M. L. Eckles, Pomona..... | 8 00 |
| Heifer, one year old..... | W. W. Alward, Los Angeles..... | 5 00 |
| Heifer calf..... | Sessions & Co., Los Angeles..... | 4 00 |
| Heifer calf..... | Sessions & Co., Los Angeles..... | 2 00 |

DIVISION C—GOATS.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------|-----------------------------|---------|
| CLASS IV. | | |
| Buck, under two years old..... | C. P. Bailey, San José..... | \$10 00 |
| Buck, under two years old..... | C. P. Bailey, San José..... | 5 00 |

DIVISION D—SWINE.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------------|---------|
| SPECIAL—YORKSHIRES. | | |
| Sow and six pigs..... | M. L. Eckles, Pomona..... | \$10 00 |
| Boar, one year old..... | Sessions & Co., Los Angeles..... | 10 00 |
| Boar, one year old..... | C. A. Coffman, Rivera..... | 7 50 |
| Boar, six months old and under one year..... | Sessions & Co., Los Angeles..... | 8 00 |
| Boar, six months old and under one year..... | John H. Temple, Puente..... | 4 00 |
| CLASS I. | | |
| Breeding sow..... | Sessions & Co., Los Angeles..... | 15 00 |
| Breeding sow..... | C. A. Coffman, Rivera..... | 7 50 |
| Sow, six months old and under one year..... | Sessions & Co., Los Angeles..... | 8 00 |
| Sow, six months old and under one year..... | C. A. Coffman, Rivera..... | 4 00 |
| Pair pigs, under ten months..... | Sessions & Co., Los Angeles..... | 10 00 |
| Pair pigs, under ten months..... | John H. Temple, Puente..... | 5 00 |
| CLASS III—POLAND-CHINA. | | |
| Sow and six pigs..... | Geo. E. Platt, Los Angeles..... | 10 00 |

DIVISION E—POULTRY.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|--------|
| SILVER WYANDOTTES. | | |
| Cock and hen, cockerel and pullet..... | S. Tyler, Pasadena..... | \$3 00 |
| Pair..... | S. Tyler, Pasadena..... | 1 50 |
| BARRED PLYMOUTH ROCKS. | | |
| Cockerel..... | C. T. Paul, Los Angeles..... | 75 |
| Cock and hen..... | J. D. Nash, Pasadena..... | 1 50 |
| Cock and hen, cockerel and pullet..... | S. Tyler, Pasadena..... | 3 00 |
| Pair..... | S. Tyler, Pasadena..... | 1 50 |
| BLACK LANGSHANS. | | |
| Cock and hen..... | C. T. Paul, Los Angeles..... | 1 50 |
| Pair..... | C. T. Paul, Los Angeles..... | 1 50 |
| Cockerel..... | R. T. Whittlesey, Los Angeles..... | 75 |
| Pullet..... | George W. Knox, Los Angeles..... | 75 |
| WHITE COCHINS. | | |
| Cock, hen, and pullet..... | R. T. Whittlesey, Los Angeles..... | 2 25 |
| Pair..... | R. T. Whittlesey, Los Angeles..... | 1 50 |
| SINGLE COMB BROWN LEGHORNS. | | |
| Hen and cockerel..... | S. Tyler, Pasadena..... | 1 50 |
| Pair..... | S. Tyler, Pasadena..... | 1 50 |
| SINGLE COMB WHITE LEGHORNS. | | |
| Cockerel and pullet..... | S. Tyler, Pasadena..... | 1 50 |
| Pair..... | S. Tyler, Pasadena..... | 1 50 |
| ROSE COMB BROWN AND WHITE LEGHORNS. | | |
| Cock and hen..... | James Edmondson, Pasadena..... | 1 50 |
| Pair..... | James Edmondson, Pasadena..... | 1 50 |

DIVISION E—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------------|--------|
| BLACK AND WHITE MINORCAS. | | |
| Cock and hen..... | S. Tyler, Pasadena..... | \$1 50 |
| Pair..... | S. Tyler, Pasadena..... | 1 50 |
| BLACK SPANISH. | | |
| Cock and hen, cockerel and pullet..... | Robert Rowen, Pasadena..... | 3 00 |
| Pair..... | Robert Rowen, Pasadena..... | 1 50 |
| SILVER SPANISH. | | |
| Cock and hen..... | E. A. Olshausen, Los Angeles..... | 1 50 |
| Pair..... | E. A. Olshausen, Los Angeles..... | 1 50 |
| INDIAN. | | |
| One hen, two cockerels, three pullets, and a pair..... | George W. Knox, Los Angeles... | 75 |
| BLACK-BREADED RED GAME. | | |
| Cock and hen..... | S. Tyler, Pasadena..... | 1 50 |
| Pair..... | S. Tyler, Pasadena..... | 1 50 |
| GOLD AND SILVER DUCKWINGS. | | |
| Gold cock and hen..... | S. Tyler, Pasadena..... | 1 50 |
| Gold pair..... | S. Tyler, Pasadena..... | 1 50 |
| Silver cock and hen..... | S. Tyler, Pasadena..... | 1 50 |
| Silver pair..... | S. Tyler, Pasadena..... | 1 50 |
| SEABRIGHT BANTAMS. | | |
| Cock, hen, and pullet..... | S. Tyler, Pasadena..... | 2 25 |
| Pair..... | S. Tyler, Pasadena..... | 1 50 |
| PEKIN AND JAPANESE BANTAMS. | | |
| Pekin hen..... | E. A. Olshausen, Los Angeles..... | 75 |
| Japanese cock, hen, and pullet..... | S. Tyler, Pasadena..... | 2 25 |
| Pair..... | S. Tyler, Pasadena..... | 50 |
| Pekin cock..... | S. Tyler, Pasadena..... | 75 |
| DUCKS. | | |
| Pekin ducks..... | S. Tyler, Pasadena..... | 1 75 |
| PIGEONS. | | |
| Pair Pouters, pair Swallows, pair Tumblers, pair Jacobins, pair Fantails, pair Silver Owls, pair Banbs, pair Dragoon Carriers, pair Antwerps..... | S. Tyler, Pasadena..... | 7 50 |
| BEST DISPLAY. | | |
| Best and largest exhibit of fowls..... | S. Tyler, Pasadena..... | 5 00 |

DIVISION G—MANUFACTURES.

| Exhibit. | Exhibitor. | Award. |
|---|--|----------|
| Incubator..... | G. E. Phelps, Santa Ana..... | \$5 00 |
| Brooder..... | G. E. Phelps, Santa Ana..... | 2 50 |
| Fruit gatherer..... | F. E. Olds, Los Angeles..... | Diploma. |
| Water pipe..... | Culver & Little Mfg. Co., L. Angeles. | Diploma. |
| Yeast..... | Electric Yeast Co., Los Angeles.. | Diploma. |
| Brooms..... | Harrison & Dickson, Los Angeles. | Diploma. |
| Broom corn..... | Harrison & Dickson, Los Angeles. | Diploma. |
| Woodenware..... | Harrison & Dickson, Los Angeles. | Diploma. |
| Hand-made horseshoes..... | J. P. Brown, Santa Ana..... | Diploma. |
| Display of flavoring extracts..... | Simmons-Stevens Co., L. Angeles. | Diploma. |
| Highest quality flavoring extracts..... | Simmons-Stevens Co., L. Angeles. | Diploma. |
| Toilet water..... | Simmons-Stevens Co., L. Angeles. | Diploma. |
| Best mineral medicinal water..... | Bartlett Springs Mineral Water Co., San Francisco..... | Diploma. |

DIVISION G—Continued.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------------|---|-------------|
| Single carriage harness..... | J. Jepson & Son, Los Angeles..... | \$5 00 |
| Braided California palm hats..... | Mrs. Maria Drake, Long Beach..... | Diploma. |
| Gopher trap..... | Ira F. White & Son, Pomona..... | Diploma. |
| Ornithological collection..... | Mrs. Brickner, Santa Monica..... | Dip. & \$10 |
| Rattan wicker work..... | T. Sullivan, Los Angeles..... | Diploma. |
| Pianos..... | Day & Fisher Music Co., L. Angeles..... | Diploma. |
| Organs..... | Day & Fisher Music Co., L. Angeles..... | Diploma. |
| Double carriage harness..... | H. W. Heinsch, Los Angeles..... | \$10 00 |
| Track harness..... | H. W. Heinsch, Los Angeles..... | 10 00 |
| Farm harness..... | H. W. Heinsch, Los Angeles..... | 5 00 |
| Mexican saddle..... | H. W. Heinsch, Los Angeles..... | Diploma. |
| Saddles and bridles..... | H. W. Heinsch, Los Angeles..... | Diploma. |
| Horse boots and turf goods..... | H. W. Heinsch, Los Angeles..... | Diploma. |
| Crude asphalt..... | Santa Barbara Asphalt Co., Santa Barbara..... | Diploma. |
| Red Seal roller-process spices..... | Lievre, Fricke & Co., S. Francisco..... | Diploma. |

DIVISION H—FANCY WORK.

| Exhibit. | Exhibitor. | Award. |
|---|---|----------|
| Display of knit lace..... | Mary M. Mathews, E. Los Angeles..... | \$5 00 |
| Hand-knit tidies..... | Mary M. Mathews, E. Los Angeles..... | 2 00 |
| Knitted doylies..... | Mrs. J. M. Stockman, Los Angeles..... | 1 00 |
| Crochet lace..... | Mrs. J. M. Stockman, Los Angeles..... | 2 00 |
| Antique lace..... | Mrs. J. M. Stockman, Los Angeles..... | 2 00 |
| Tatting chemisette..... | Mrs. J. M. Stockman, Los Angeles..... | 1 00 |
| Knitted lace..... | Mrs. J. M. Stockman, Los Angeles..... | 2 00 |
| Parlor duster bag..... | Mrs. J. M. Stockman, Los Angeles..... | 2 00 |
| Hand-quilted white spread..... | Mrs. T. H. Perino, Los Angeles..... | 5 00 |
| Shell work..... | Mrs. G. W. Gordon, Los Angeles..... | 5 00 |
| Shell work..... | Mrs. Mary Wolfer, Norwalk..... | 3 00 |
| Zephyr wreath..... | Mrs. E. J. Walker, Los Angeles..... | 2 00 |
| Cabinet of shells..... | Mrs. J. E. Wood, E. Los Angeles..... | 3 00 |
| Rag carpet..... | Mrs. Sini Anderson, San Pedro..... | Diploma. |
| Rag carpet rugs..... | Mrs. Sini Anderson, San Pedro..... | Diploma. |
| Hand-made point lace..... | Mrs. F. E. Nay, Los Angeles..... | \$1 00 |
| Hand-made point lace handkerchief..... | Mrs. F. E. Nay, Los Angeles..... | 1 00 |
| Hand-made point lace collars..... | Mrs. F. E. Nay, Los Angeles..... | 1 00 |
| Hand-made point lace cuffs..... | Mrs. F. E. Nay, Los Angeles..... | 50 |
| Display of point lace..... | Mrs. F. E. Nay, Los Angeles..... | 1 00 |
| Display of point lace..... | Mrs. Geo. Y. Coutts, Santa Ana..... | 1 00 |
| Point lace handkerchief..... | Mrs. Geo. Y. Coutts, Santa Ana..... | 1 00 |
| Point lace points..... | Mrs. Geo. Y. Coutts, Santa Ana..... | 2 00 |
| Point lace vest and collar..... | Mrs. Geo. Y. Coutts, Santa Ana..... | 2 00 |
| Point lace pincushion cover..... | Mrs. Geo. Y. Coutts, Santa Ana..... | 1 00 |
| Point lace collars and cuffs..... | Mrs. Geo. Y. Coutts, Santa Ana..... | 2 00 |
| Knitted linen hose..... | Mrs. Geo. Y. Coutts, Santa Ana..... | 2 00 |
| Carved jewel and violin cases..... | F. A. Sprague, Fillmore..... | Diploma. |
| Hand-embroidered scarf..... | Mrs. Beeman & Hendee, L. Angeles..... | \$2 00 |
| Hand-embroidered tea cloth..... | Mrs. Beeman & Hendee, L. Angeles..... | 2 00 |
| Hand-embroidered outline table cloth..... | Mrs. Beeman & Hendee, L. Angeles..... | 1 00 |
| Hand-embroidered cake doylies..... | Mrs. Beeman & Hendee, L. Angeles..... | 1 00 |
| Hand-embroidered fingerbowl doylies..... | Mrs. Beeman & Hendee, L. Angeles..... | 1 00 |
| Hand-embroidered tinted doylies..... | Mrs. Beeman & Hendee, L. Angeles..... | 2 00 |
| Silk table cover..... | Mrs. Beeman & Hendee, L. Angeles..... | 2 00 |
| Embroidered plush sofa cushion..... | Mrs. Beeman & Hendee, L. Angeles..... | 2 00 |
| Spanish drawn work doylies..... | Mrs. Beeman & Hendee, L. Angeles..... | 1 00 |
| Spanish drawn work napkins..... | Mrs. Beeman & Hendee, L. Angeles..... | 1 00 |
| Spanish drawn work sofa pillows..... | Mrs. Beeman & Hendee, L. Angeles..... | 3 00 |
| Collection of embroidery..... | Mrs. Beeman & Hendee, L. Angeles..... | 5 00 |
| Crochet child's apron..... | Mrs. Mary Kon, Los Angeles..... | 3 00 |
| Embroidered flannel shawl..... | Mrs. Mary Kon, Los Angeles..... | 4 00 |
| Lace chemise yoke..... | Mary White, Los Angeles..... | 3 00 |
| Crochet underskirt..... | Mrs. J. Westerfield, E. L. Angeles..... | 3 00 |
| Crazy quilt..... | Mrs. Maria Drake, Long Beach..... | 3 00 |

DIVISION H—Continued.

| Exhibit. | Exhibitor. | Award. |
|----------------------------------|-------------------------------------|--------|
| Crazy quilt | Mrs. Flora McQuisic, Norwalk..... | \$5 00 |
| Eng. Brussels lace | Ina Belville, University Place..... | 8 00 |
| Shells and mosswork wreath | Mrs. J. A. Odell, Long Beach | 4 00 |

DIVISION I.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------|--------------------------------------|--------|
| Collection of birds' eggs..... | Charles Bledsoe, Los Angeles | \$2 00 |
| Scarfs | Mary Gridley, Los Angeles..... | 8 00 |
| Doll outfit | Angelina Grelck, Los Angeles..... | 2 00 |
| Crochet woolen skirt | Rosa Grelck, Los Angeles | 2 00 |
| Hair wreath | Lizzie Fitzgerald, Los Angeles | 5 00 |

DIVISION J—OIL PAINTINGS, WATER COLORS, ETC.

| Exhibit. | Exhibitor. | Award. |
|--|--|------------|
| Orange branch | Miss F. E. Duvall, Los Angeles..... | Diploma. |
| Fruit piece | Miss F. E. Duvall, Los Angeles..... | \$5 00 |
| Fruit piece | Miss Alice Dane, Pasadena..... | 3 00 |
| Tapestry | Miss A. Stow, Los Angeles | 5 00 |
| Orange wood plaque..... | Miss A. Stow, Los Angeles..... | 2 00 |
| Fruit piece | Miss Regina O'Kane, Los Angeles..... | 10 00 |
| Still life | Mrs. S. H. Jordan, Los Angeles..... | 8 00 |
| Still life | Mrs. S. H. Jordan, Los Angeles..... | 4 00 |
| Landscape..... | Miss F. E. Duvall, Los Angeles..... | 5 00 |
| Orange wood plaque..... | Mrs. J. H. Crawford, Los Angeles..... | 5 00 |
| Landscape..... | Miss Hammel, Los Angeles..... | 8 00 |
| Head | Mrs. Bradshaw, Los Angeles..... | 3 00 |
| Fruit | Miss Zeta Behne, Los Angeles..... | D. & 5 00 |
| Fruit | Miss Pearl Lettelier, Los Angeles..... | 2 00 |
| Collection of water colors | Philip A. Baker, Pasadena | Diploma. |
| Flowers (water colors)..... | Miss King, Los Angeles..... | \$5 00 |
| Bubbles (copy) | Miss Pearl Lettelier, Los Angeles..... | Hn. men. |
| Dog (copy) | Mrs. Mary E. Hughes, Los Angeles..... | Diploma. |
| Charcoal head | Miss King, Los Angeles..... | \$5 00 |
| Head from life (oil)..... | Miss F. E. Duvall, Los Angeles..... | 5 00 |
| Collection of art pottery | Mrs. Martha Bemis, Los Angeles..... | Diploma. |
| Vase of nasturtiums | Mrs. Martha Bemis, Los Angeles..... | \$5 00 |
| Vase of chrysanthemums | Mrs. Martha Bemis, Los Angeles..... | 3 00 |
| Collection of decorated china | Miss M. Ashmead, Los Angeles..... | D. & 5 00 |
| Collection of decorated china | School Art and Design, L. Angeles..... | Diploma. |
| Piece of decorated china | School Art and Design, L. Angeles..... | \$5 00 |
| Collection of sepia (enlargement)..... | George Steckel, Los Angeles..... | Diploma. |
| Large photos | George Steckel, Los Angeles..... | Diploma. |
| Collection of portrait photography..... | George Steckel, Los Angeles..... | D. & \$10. |
| For artistic arrangement | George Steckel, Los Angeles..... | Diploma. |
| Collection of babies' and children's photos..... | George N. Dewey, Los Angeles..... | \$10 00 |
| Collection of portrait photos..... | George N. Dewey, Los Angeles..... | 8 00 |
| Collection of babies' and children's photos..... | M. A. Wesner, Los Angeles..... | 3 00 |
| Collection of views | George N. Dewey, Los Angeles..... | Diploma. |
| Collection of views by amateurs..... | Will Graves, Long Beach | \$5 00 |
| Cut glass window | Miss A. Desmond, Los Angeles..... | 5 00 |
| Pen work | Los Angeles Business College..... | Diploma. |
| Framed pictures and artists' materials | Kuzeman & Lichtenberger, Los A..... | Diploma. |

DIVISION K—VEGETABLES, ETC.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|--------------------------------------|----------|
| Red potatoes | H. P. Sanford, Artesia | \$3 00 |
| Yellow corn | H. P. Sanford, Artesia | 5 00 |
| Sweet potatoes | J. H. Lampton, Burbank | 8 00 |
| Tomatoes | J. H. Lampton, Burbank | 2 00 |
| Sugar beets | J. H. Lampton, Burbank | 10 00 |
| Red onions | T. Heryford, Neenach | 4 00 |
| White onions | T. Heryford, Neenach | 2 00 |
| White lima beans, dry | P. L. Byers, Santa Paula | 2 00 |
| Tree lima beans, dry | P. L. Byers, Santa Paula | Hn. men. |
| Pink lima beans, dry | P. L. Byers, Santa Paula | Hn. men. |
| Lady Washington beans, dry | P. L. Byers, Santa Paula | Hn. men. |
| White corn | C. A. Coffman, Rivera | Hn. men. |
| Yellow corn | C. A. Coffman, Rivera | Hn. men. |
| White potatoes | W. T. Butterfield, Westminster | Hn. men. |
| Mountain Rose potatoes | W. T. Butterfield, Westminster | \$3 00 |
| Hubbard squash | W. T. Butterfield, Westminster | 3 00 |
| Turnip beets | J. J. Pyles, Westminster | 2 00 |
| Sample oats | C. B. McCoy, Simi, Ventura Co. | 5 00 |
| Sample barley | C. B. McCoy, Simi, Ventura Co. | 5 00 |
| Green-flesh muskmelon | Henry Claussen, Cahuenga | 4 00 |
| Yellow-flesh muskmelon | Henry Claussen, Cahuenga | 4 00 |
| California manufactured tobacco | George Spikel, Los Angeles | 10 00 |
| Lima beans in pod | Mrs. D. Curry, Norwalk | 2 00 |
| Cabbage | Mrs. D. Curry, Norwalk | 4 00 |
| Crookneck squash | W. R. Baker, Pasadena | 4 00 |
| Flowers from one vicinity | Vernon District, Los Angeles | 15 00 |
| Flowers (not by professional) | Mrs. Isaac Gibbs, Vernon | 10 00 |
| Roses | Mrs. Isaac Gibbs, Vernon | 10 00 |
| Watermelons | Mrs. Isaac Gibbs, Vernon | 4 00 |
| Rye | C. N. Wilson, San Fernando | 5 00 |
| Greatest variety of peas | C. N. Wilson, San Fernando | 4 00 |
| Gourds | C. N. Wilson, San Fernando | Hn. men. |
| Garden peas, dry | C. N. Wilson, San Fernando | \$2 00 |
| Buckwheat | C. N. Wilson, San Fernando | Diploma. |
| White corn | John F. Brunst, Artesia | \$5 00 |
| Pumpkins | John F. Brunst, Artesia | 3 00 |
| Sweet potatoes | John F. Brunst, Artesia | Hn. men. |
| Wheat | J. F. Claussen, Neenach | \$5 00 |
| Chile peppers | O. E. Roberts, Cahuenga | Hn. men. |
| Purple eggplant | Ventura County | \$2 00 |
| Largest pumpkin | F. E. Kellogg, Goleta | 2 00 |
| White potatoes | A. Phillips, La Potosa | 3 00 |
| Largest watermelon | W. S. Strawbridge, Whittier | 3 00 |

DIVISION L—BUTTER, ETC.

| Exhibit. | Exhibitor. | Award. |
|------------------------|-----------------------------------|----------|
| Sorghum molasses | J. Whittaker, Buena Park | Diploma. |
| Butter | Sessions & Co., Los Angeles | \$10 00 |
| Butter | Mrs. D. Curry, Norwalk | Diploma. |
| Maple syrup | G. J. Elwin, Los Angeles | Diploma. |

DIVISION M—FRUIT.

| Exhibit. | Exhibitor. | Award. |
|------------------------|-----------------------------|--------|
| Dried apples | W. R. Baker, Pasadena | \$5 00 |
| Dried berries | W. R. Baker, Pasadena | 3 00 |
| Fruit leather | W. R. Baker, Pasadena | 5 00 |
| Fruit in glass | W. R. Baker, Pasadena | 10 00 |
| Jellies and jams | W. R. Baker, Pasadena | 15 00 |
| Pickles in glass | W. R. Baker, Pasadena | 3 00 |

DIVISION M—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------------------|----------|
| Largest and most artistic display of fruit, jellies, jams, and pickles in glass..... | W. R. Baker, Pasadena | Diploma. |
| Four varieties peaches..... | Charles R. Tafts, Orange | \$5 00 |
| Three varieties peaches..... | Charles R. Tafts, Orange | 5 00 |
| Persimmons..... | Charles R. Tafts, Orange | 2 00 |
| Dried apricots..... | Charles R. Tafts, Orange | 5 00 |
| Dried berries..... | Charles R. Tafts, Orange | 5 00 |
| Products by one producer..... | J. C. Joplin, Tustin | 20 00 |
| Fruit in glass..... | J. C. Joplin, Tustin | 15 00 |
| Jams and jellies..... | J. C. Joplin, Tustin | 10 00 |
| Pickles in glass..... | J. C. Joplin, Tustin | 5 00 |
| Dried figs..... | James Dunn, Long Beach..... | 3 00 |
| Jelly and jam..... | James Dunn, Long Beach..... | 5 00 |
| Dried figs..... | James Root, Rivera..... | 5 00 |
| Three varieties figs..... | James Root, Rivera..... | 10 00 |
| Seven varieties apples..... | H. P. Sanford, Artesia..... | 5 00 |
| Three varieties pears..... | H. P. Sanford, Artesia..... | 4 00 |
| Kelsey plums..... | Mark Bruntt, Covina..... | Diploma. |
| Five varieties apples..... | H. R. Smith, Vernon..... | \$4 00 |
| Quinces..... | C. Fred. Bear, Alhambra..... | Diploma. |
| Walnuts..... | George W. Ford, Santa Ana..... | \$10 00 |
| District display..... | Ventura County..... | 25 00 |
| Fruit by one producer..... | Lewis Walker, Ventura..... | 20 00 |
| Four varieties peaches..... | Lewis Walker, Ventura..... | 10 00 |
| Three varieties plums..... | Lewis Walker, Ventura..... | 10 00 |
| Display of pears..... | Lewis Walker, Ventura..... | 10 00 |
| Japanese persimmons..... | Emma Wetzel, East Los Angeles..... | 5 00 |
| Olive oil..... | Ellwood Cooper, Santa Barbara..... | Diploma. |
| Cherimoyers..... | Joseph Sexton, Santa Barbara..... | Hn. men. |
| One variety lemons..... | E. M. Hatch, Ontario..... | \$10 00 |
| Peanuts..... | P. L. Byers, Santa Paula..... | 5 00 |
| General display of grapes..... | Cyrus Kenney, Sespi, Ventura Co..... | 15 00 |
| Eight varieties grapes..... | Cyrus Kenney, Sespi, Ventura Co..... | 10 00 |
| Crystallized fruit..... | Bishop-Loop Crystallization Co..... | Diploma. |
| Walnuts..... | Los Nietos Walnut Growers' Ass'n..... | Diploma. |
| Almonds..... | E. P. Norwood, Cucamonga..... | G. med. |
| General display of apples..... | Mrs. S. Lyman, Westminster..... | \$5 00 |
| Fruit in glass..... | Isaac Gibbs, Vernon..... | 5 00 |
| Six varieties pears..... | Isaac Gibbs, Vernon..... | 5 00 |
| Three varieties pears..... | S. Richardson, Alhambra..... | 8 00 |
| Pomegranates..... | S. Richardson, Alhambra..... | 5 00 |
| Semi-tropic fruit..... | S. Richardson, Alhambra..... | 10 00 |
| Dried peaches..... | C. C. Thompson, Pasadena..... | 5 00 |
| Dried prunes..... | C. C. Thompson, Pasadena..... | 5 00 |
| District display..... | Orange County..... | 15 00 |
| Five varieties apples..... | John F. Branch, Artesia..... | 8 00 |
| Prunes..... | John F. Branch, Artesia..... | 10 00 |
| Pomegranates..... | Jas. Root, Rivera..... | 2 00 |
| Dried peaches..... | Bliss Bros., Duarte..... | 3 00 |
| Dried plums..... | Bliss Bros., Duarte..... | 5 00 |
| Preserved citron..... | John F. Branch, Artesia..... | Diploma. |
| Quinces..... | H. Stoll, Cahuenga..... | \$2 00 |
| Seven varieties apples..... | Jas. Duffy, San Diego..... | 10 00 |
| Blackberries..... | Jas. Clark, Pasadena..... | Hn. men. |
| Seedless raisins..... | John S. Dore, Fresno..... | \$10 00 |
| Walnuts..... | L. L. Bequette, Rivera..... | 5 00 |
| Dried plums..... | A. H. & C. B. Palmer..... | 3 00 |
| Display of apples..... | W. W. Broughton, Lompoc..... | 10 00 |
| Six varieties pears..... | W. W. Broughton, Lompoc..... | 10 00 |
| Display of pears..... | W. W. Broughton, Lompoc..... | 5 00 |
| Citron of commerce..... | J. B. Pearce, Santa Barbara..... | Hn. men. |
| Quinces..... | T. J. Kerns, Downey..... | \$5 00 |
| Peaches, three years from seed..... | Mrs. Mary Kow, Los Angeles..... | Hn. men. |
| Dried nectarines..... | R. O. Barker, Banning..... | Hn. men. |
| Dried prunes..... | R. O. Barker, Banning..... | \$3 00 |
| Almonds..... | Del Valle Bros., Ventura..... | 10 00 |
| Italian chestnuts..... | H. Boetcher, Vernon..... | 5 00 |
| Semi-tropic fruit..... | C. S. Lloyd, Santa Barbara..... | 15 00 |
| Red wine..... | G. B. Parma, Santa Barbara..... | Diploma. |
| White wine..... | G. B. Parma, Santa Barbara..... | Diploma. |

DIVISION N—HONEY, ETC.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|------------------------------------|----------|
| Beehives | J. Archer, Ventura | Diploma. |
| Extracted honey | J. Archer, Ventura | \$5 00 |
| Italian bees | J. Archer, Ventura | 10 00 |
| Display of bees and honey | J. Archer, Ventura | 15 00 |
| Cake beeswax | J. Archer, Ventura | Diploma. |
| Extracted honey | P. L. Byers, Santa Paula | \$10 00 |
| Comb honey | H. C. Wheeler, Newhall | 10 00 |
| Comb honey | C. N. Wilson, San Fernando Mts. .. | 5 00 |
| Italian bees | C. N. Wilson, San Fernando Mts. .. | 5 00 |
| Bees and honey | C. N. Wilson, San Fernando Mts. .. | 10 00 |
| Extracted honey | Santa Paula Hardware Company .. | Diploma. |
| Foundation | Bliss Bros., Duarte | Diploma. |

DIVISION O—NURSERY STOCK.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------|-------------------------------|----------|
| Banana tree and fruit | Jas. Root, Rivera | \$10 00 |
| Orange trees | F. Cocker, Glendora | Hn. men. |
| Orange trees | Villinger Bros., Covina | \$20 00 |
| Deciduous fruit trees | A. W. Eames, Vernon | Diploma. |

SPEED PROGRAMME.

MONDAY, OCTOBER 19, 1891.

RACE No. 1—RUNNING.

The Los Angeles Derby; \$300 added. One and one half miles.

| | |
|--|---|
| T. A. Case's Hock Hocking, Jr., by Hock Hocking..... | 1 |
| D. R. Dickey's Request, by Sacramento | 2 |
| Dr. B. F. Bragg's Queen Ida, by St. David..... | 3 |

Time—2:44½.

RACE No. 2—RUNNING.

Southern California Handicap. Purse, \$700. Three quarters of a mile.

| | |
|--|---|
| Dave Bridges' John Treat, by Shiloh | 1 |
| Cy. Mulkey's Gladiator, by Grinstead | 2 |
| Frank Menchaca's El Rayo, by Grinstead | 3 |

Time—1:14½.

RACE No. 3—TROTTING.

2:20 Class. Purse, \$300, and a gold-mounted set of harness to the winner, presented by H. W. Heinsch. Mile heats, best three in five.

| | | | | | |
|--|---|---|---|---|---|
| Charles Durfee's McKinney, by Alcyone; dam, Rose Sprague—Durfee..... | 2 | 2 | 1 | 1 | 1 |
| Edgemont Park Farm's Lucy R, by Sultan—Maben..... | 1 | 3 | 2 | 2 | 3 |
| Dr. K. D. Wise's Glendine, by Judge Salisbury—Connolly..... | 3 | 1 | 3 | 3 | 2 |

Time—2:18½; 2:20; 2:18; 2:17½; 2:19½.

RACE No. 4—TROTTING.

For three-year olds. Mile heats, best three in five.

| | | | | | |
|--|---|---|---|---|---|
| Edgemont Park Farm's Redondo, by Stamboul—Maben | 2 | 1 | 2 | 1 | 1 |
| Chino Ranch's Thera, by Albion—McPherson | 1 | 2 | 1 | 3 | 3 |
| Charles Durfee's Etta Wilkes, by Billy Sayer—Durfee..... | 3 | 3 | 3 | 2 | 2 |

Time—2:35; 2:39; 2:34; 2:36½; 2:37½.

TUESDAY, OCTOBER 20, 1891.

RACE No. 5—RUNNING.

Maiden Plate; \$150 added. One half mile.

| | |
|---|---|
| F. G. McNally's Capistrano, by Griffin | 1 |
| S. B. Stroud's Bridal Girl, by Clifton Bell | 2 |
| Marcos Forster's C P. by Griffin | 3 |

Time—0:49½.

RACE NO. 6—RUNNING.

The Seaside Stake. Purse, \$300. One mile.

| | |
|--|---|
| Dave Bridges' John Treat, by Shiloh | 1 |
| Cy. Mulkey's Guadalupe, by Grinstead | 2 |

Time—1:42½.

RACE NO. 7—TROTTING.

2:30 Class. Purse, \$600. Mile heats, best three in five.

| | | | | |
|---|---|---|---|---|
| Henry Delaney's Leon, by A. W. Richmond | 1 | 1 | 3 | 1 |
| Sanchez Bros.' Dick Richmond, by A. W. Richmond | 2 | 2 | 1 | 2 |
| Dodd Dwyer's Kate Castleton, by Ethan Allen | 3 | 3 | 2 | 3 |

Time—2:28½; 2:24½; 2:23; 2:22½.

RACE NO. 8—PACING.

2:25 Class. Purse, \$500. Mile heats, best three in five.

| | | | | | |
|--|------|------|---|---|---|
| Henrietta Stock Farm's Rory O'More, by Judge Salisbury | 2 | 2 | 1 | 1 | 1 |
| N. A. Covarrubias' Hattie F. | 1 | 1 | 2 | 2 | 2 |
| P. W. Hodges' Nutford, by Abbotsford | 3 | dis. | | | |
| C. E. Crowley's Solid Four | dis. | | | | |

Time—2:20½; 2:18; 2:21½; 2:19½; 2:24½.

WEDNESDAY, OCTOBER 21, 1891.

RACE NO. 9—RUNNING.

The Ladies Stake. Purse, \$200. Five eighths of a mile and repeat.

| | |
|--|------|
| Frank Menchaca's El Rayo, by Grinstead | 1 |
| Marcos Forster's Gambo, by Wildidler | dis. |
| Cy. Mulkey's Lyda Ferguson | dis. |

Time—1:01½.

RACE NO. 10—TROTTING.

For two-year olds; \$250 added. Mile heats, best two in three.

| | | |
|--|---|---|
| Edgemont Park Farm's Harry Winchester, by Stamboul | 1 | 1 |
| J. C. Newton's Princeton, by Alcazar | 3 | 2 |
| Elias Williams' Gold Mint, by Goldnut | 2 | 3 |

Time—2:53½; 2:47½.

THURSDAY, OCTOBER 22, 1891.

RACE NO. 13—RUNNING.

The Los Angeles Futurity. Purse, \$300. Five eighths of a mile.

| | |
|--|---|
| Dickey & Thomas' Pescador, by Gano | 1 |
| F. G. McNally's Capistrano, by Griffin | 2 |
| Marcos Forster's C P, by Griffin | 3 |

Time—1:02½.

RACE NO. 14—RUNNING.

The Citrus Belt Handicap. Purse, \$500. One and one quarter miles.

| | |
|--|---|
| Cy. Mulkey's Gladiator, by Grinstead | 1 |
| Moses Bryan's Moses B, by Leinster | 2 |
| Time—2:00½. | |

SPECIAL RUNNING.

Purse, \$250. One and one sixteenth miles.

| | |
|---|---|
| Cy. Mulkey's Guadeloupe, by Grinstead | 1 |
| J. G. Hill's Ben H, by Shiloh | 2 |
| D. R. Dickey's Rube, by Sacramento | * |
| Time—1:51½. | |

FRIDAY, OCTOBER 23, 1891.

RACE NO. 15—TROTTING.

2:25 Class. Purse, \$700. Mile heats, best three in five.

| | | | |
|---|---|---|---|
| Henry Delaney's Leon, by A. W. Richmond | 1 | 1 | 1 |
| Sanchez Bros.' Dick Richmond, by A. W. Richmond | 2 | 2 | 2 |
| R. Garnsey's Danger, by Odd Fellow | 4 | 8 | 8 |
| Dodd Dwyer's Kate Castleton, by Ethan Allen | 3 | 4 | 4 |
| Time—2:23; 2:24; 2:25. | | | |

RACE NO. 16—RUNNING.

Selling race. Purse, \$150. One and one sixteenth miles.

| | | |
|--|---|---|
| Frank Menchaca's El Rayo, by Grinstead | 0 | 1 |
| Cy. Mulkey's Gladiator, by Grinstead | 0 | 2 |
| John Gries' Washington Bartlett | 8 | |
| Time—1:50½; 1:49½. | | |

RACE NO. 17—RUNNING.

The Sprinters' Stake; \$200 added. One half mile.

| | |
|--|---|
| Cy. Mulkey's Tim Murphy, by Kyrle Daly | 1 |
| J. F. Bean's Jim Duffy, by Woodbury | † |
| Cy. Mulkey's Lyda Ferguson | ‡ |
| Time—0:48½. | |

SPECIAL RUNNING.

For two-year olds. Purse, \$100. One half mile.

| | |
|---|---|
| S. B. Stroud's Bridal Girl, by Clifton Bell | 1 |
| D. R. Dickey's Combat, by Sacramento | 2 |
| Thomas Ward's Santa Fe, by St. David | 3 |
| Time—0:50½. | |

* Rube finished first, but first money was awarded Guadeloupe, as Rube did not carry his entitled weight.

† Jim Duffy finished first, but was disqualified for fouling Murphy.

‡ Lyda Ferguson was left at post.

SATURDAY, OCTOBER 24, 1891.

RACE No. 20—RUNNING.

The Junior Handicap; \$200 added. Three quarters of a mile.

| | |
|--|---|
| Dickey & Thomas' Pescador, by Gano | 1 |
| Thomas Ward's Santa Fe, by St. David | 2 |

Time—1:18.

RACE No. 21—RUNNING.

The Western Stake. One and three eighths miles.

| | |
|---|-------|
| Dave Bridges' John Treat, by Shiloh | W. O. |
|---|-------|

SPECIAL RUNNING.

Handicap for named horses. One and one eighth miles.

| | |
|----------------------------|---|
| Rube, by Sacramento | 0 |
| Ben H, by Shiloh | 0 |
| Moses B, by Leinster | 0 |

Time—1:57.

RACE No. 22—TROTTING.

Free for all. Purse, \$1,500. Mile heats, best three in five.

| | | | | |
|---|---|---|---|---|
| C. A. Durfee's McKinney, by Alcyone | 4 | 1 | 1 | 1 |
| Thomas Keating's Frank M, by Priam | 1 | 2 | 2 | 2 |
| De Turk & McGraw's Silas Skinner, by Alcona, Jr. | 2 | 4 | 3 | 4 |
| F. H. Burke's Wanda, by Eros | 3 | 3 | 4 | 3 |

Time—2:18 $\frac{1}{4}$; 2:17 $\frac{1}{4}$; 2:17; 2:18 $\frac{1}{4}$.

RACE No. 23—TROTTING.

For two-year olds. Purse, \$400. Mile heats, best two in three.

| | | | |
|---|---|---|---|
| Dr. K. D. Wise's Adelaide McGregor, by Simmons—Connolly | 1 | 3 | 1 |
| L. J. Rose's Vera, by Stamboul—H. Rose | 3 | 1 | 2 |
| C. W. Rogers' Native State, by Star Sultan—Maben | 2 | 2 | 3 |

Time—2:20 $\frac{1}{2}$; 2:35; 2:30 $\frac{1}{2}$.

TRANSACTIONS

OF THE

SEVENTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the County of Monterey.

OFFICERS OF THE ASSOCIATION.

| | |
|----------------------|------------|
| J. D. CARR..... | President. |
| JOHN J. KELLY | Secretary. |
| WM. VANDERHURST..... | Treasurer. |

DIRECTORS.

| | |
|----------------------|---------------|
| J. D. CARR..... | Salinas City. |
| J. B. IVERSON..... | Salinas City. |
| M. LYNN..... | Salinas City. |
| H. S. BALL..... | Salinas City. |
| B. V. SARGENT..... | Monterey. |
| D. G. McLEAN..... | Salinas City. |
| J. H. McDOUGALL..... | Salinas City. |
| A. WIDEMAN..... | Gonzales. |

REPORT.

SALINAS CITY, December 1, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Seventh District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

JOHN J. KELLY,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|--------------------------------|----------|-------------------|
| Rent of Pavilion..... | \$187 50 | |
| Sale of privileges..... | 773 00 | |
| Single admission tickets..... | 1,413 00 | |
| Grand stand tickets..... | 125 25 | |
| Annual membership tickets..... | 515 00 | |
| Season tickets..... | 141 00 | |
| Hack badges..... | 78 00 | |
| Entrance money..... | 707 50 | |
| State warrant..... | 1,750 00 | |
| | | <u>\$5,640 25</u> |

Expenditures.

| | | |
|------------------------------------|------------|-------------------|
| Premiums and purses paid..... | \$2,978 50 | |
| Printing and advertising..... | 243 50 | |
| Music..... | 180 00 | |
| Gas and water..... | 92 40 | |
| Insurance..... | 82 50 | |
| National Trotting Association..... | 25 25 | |
| Freight, postage, etc..... | 11 85 | |
| Material..... | 250 15 | |
| Labor..... | 662 25 | |
| Interest on bonds..... | 659 24 | |
| Overdraft paid..... | 229 68 | |
| Balance on hand..... | 245 43 | |
| | | <u>\$5,640 25</u> |

ANNUAL ADDRESS.

DELIVERED AT THE PAVILION, FRIDAY EVENING, OCTOBER 3, 1891.

By P. E. ZABALLA.

MR. PRESIDENT, LADIES AND GENTLEMEN: Last week marked a very important event in the history of the present year in Monterey County. It was the occasion of the yearly reunion of the public educators of our county—of what is commonly known as the Teachers' Institute. The ninety-two districts into which our school government is divided sent hither their delegates to meet in Convention, to report upon the condition of their trusts, to exchange ideas with one another as to the management of their charges, and to listen to the able lectures of men learned in the discipline and theory of this great institution of our republic. It was a week taken from the individual districts to devote to the entire county—a week of vacation to the pupils, which enabled them the better to enter once more upon their studies, and a week of instruction for the teachers, which aided them in the more satisfactorily following their vocation upon returning to their field of duty. In fine, a week devoted to discussions by men and women of books.

This week marks an equally useful epoch in the doings of the present year. The holding of the fifteenth annual fair of the Monterey District Agricultural Association is no less a meeting for the purposes of education than was the institute which has just closed its session. That concerned itself with the education of the youth—to prepare them for their future well-being. This has for its object the education of the adults—to aid them the better to provide the youth with the necessary means for their education.

There have been in attendance here representatives from every community of this great county. They have come from their respective districts to report upon the condition of their constituents; to present exhibits of the fruits of their skill and industry, and the natural resources of the localities from which they hail; to compare these with the exhibits of other sections and exchange ideas with those engaged in kindred occupations, and to rejoice with one another in the successes achieved by their industry and enterprise. They have come in answer to the invitation of this association to meet in friendly competition—not the competition of the arena nor of the tournament, but in the competition of the farm, the orchard, the vineyard, and the bench. You compose a meeting of men and women engaged in the study of the unbound book of life.

In keeping with custom, the Board of Directors of this association has appointed this time for delivering its annual address to you. Passing the fact of the choice they have made in the selection of their instrument, let us make a review of the condition of the district, sum up the progress it has made, and mention the question of most interest to its general welfare. We will make no deep research nor attempt any

lengthy discussion, but simply look over our county after the last day of harvest, scan our account book, consider the labor performed, the work accomplished, feel our present condition, and then be prepared to look into the future. In doing this, we are to confine ourselves to the county of Monterey, as to-day it alone composes the Seventh District. This in itself is a proof of progress, for whilst but a few years ago the district included the counties of Santa Cruz, San Benito, and San Luis Obispo besides this, the progress made by our, as well as by the adjoining counties, has warranted the Legislature in forming separate districts of our neighbors, and of constituting Monterey County this year an independent district.

In order to properly measure the success achieved in any undertaking, the first consideration should be the material in hand upon entering into the enterprise. So, in reviewing the condition of our county, and to sum up the progress she has made during her forty years of existence, it is proper that we run back to the admission of our State into the Union, and inquire into her general condition at that time. With the status of the laws or the government under which our oldest inhabitants lived, we will not concern ourselves. Suffice it to say that, though far removed from the Mexican capital, the Governors of early California appear to have been content with receiving the fees and honors of their high office, and spared the people the burdens of over-government.

The bulk of the valley lands along the coast had been granted away by the Mexican Government when California became a State. These lands were used as pastures for the numberless herds of cattle and horses which roamed over them. From San Diego to the redwoods of Sonoma, and east through the Solano and upper San Joaquin, there was not an inclosure to impede the driven herd or stampeding band. The whereabouts of the live stock of the *ranchero* was not one of his cares (if any he may be said to have had), until the time for the annual rodeo, when, with his dozen *vaqueros*, he rode forth into the valley to meet the other manor lords, and proceeded to part out the stock of his brand and ear-marks. This was the harvest time of the old Californians—a fortnight of riding through the meadow, flowers, and grasses, collecting the marketable beeves and picking out fresh horses for the pastimes of the coming year.

Both agriculture and horticulture were then unknown. There being no markets to stimulate those industries the settlers gave them no attention, save to the extent of raising the vegetables necessary for household purposes, and these were raised in what they termed "*milpas*," which nearly corresponds with the English common. The *milpa* was a choice piece of ground, easy of irrigation, and generally lying some distance from the town. The citizens of Monterey, for example, had their *milpas* at or near what is now the Blanco, on the banks of the Salinas River. These were then part of the *pueblo*, or city, lands, and here the town folk went in the late spring to turn the soil and sow. The gardens were visited from time to time and weeded; when the crop matured the planters went forth from town to reap their harvest of corn, beans, potatoes, pumpkins, melons, etc. The fruits they obtained from the mission orchards or the private gardens of the wealthy citizens. In fine, the only apparent attempt towards fostering these industries might be noticed within the fields immediately surrounding the missions. These oases in the then industrial desert might have been seen at the end of

every day's travel, or once in every forty miles. The immense crops gathered by the missionaries were not so much the effect of any marketable demand for them, as the result of their endeavors to keep their wards—the Indians—free from indolence. And since their abandonment after the gold fever had been wiped from the forehead of the emigrant, amid the ruins of these old missions, the votaries of the plow, the pruning-knife, and the fly-wheel might read the unquestionable statistics concerning the capabilities of the valleys and hillsides of California, and receive the inspiring assurance that they were possessed of all the virtues of both soil and climate to insure ample recompense to the earnest laborer.

In our valley it was not until about the year 1870 that farming was engaged in to any considerable extent. This was the date of the advent of the railroad to Salinas, and our agricultural era may be said to begin here. With the extension of the railroad beyond Soledad the lands of the upper Salinas were devoted to farming, and over one hundred thousand acres, to which five years ago the surrounding mountains echoed but the lowing of the lazy herds, to-day fill the air with the din of industry and the peace of homes. Ten years ago most of the fruit we ate was brought from other counties in the State, whilst this year our local dealers have been selling us our own fruit, so to speak. Thus, as occasion after occasion has presented itself, the inhabitants of the once "wind-swept Salinas plains" have demonstrated the assertion that Monterey County, although forming but a small parcel of the Golden State, is, notwithstanding, a complete California in herself, in so far as she possesses all the resources and capabilities of her mother. As proof in hand of the degrees of climate and wealth and variety of soil of the county, we have but to refer to the products on exhibition in this hall to-night. We will not pretend that our oranges are larger or sweeter than the fruit at Riverside, nor that our guava and banana plants will bear in the quantities or grow to the proportions of the Mexican or Kanaka, but we can take to the mill as plump and as pure wheat; we can serve upon our tables as healthy vegetables and as luscious fruits during any season of the year, and ship over our little railroad to the sugar factory beets with as great percentage of saccharine matter as any country. Our climate is mild, and our staple productions must necessarily be those indigenous to temperate localities. The riches which lie in our valleys—an unquestioned fact—our next consideration is, how shall we extract them? How shall we employ the funds nature has endowed us with?

There is one great obstacle, a menacing rock, which juts far out into the channel of trade and advancement in our otherwise glorious State—an impediment which only the billows of time, the tides of generations, and the consuming suns of litigation can remove. This Gibraltar is the Mexican grant. But a glance over our county maps is necessary to see that the space taken up by the colored plats, indicating the ranchos, represents a large proportion of the most valuable lands in the State. Most of these grants have been preserved intact, although undergoing many changes of ownership, and the prospects of their final subdivision are indeed dim and distant. As an example of the important part these grants play toward the retarding of progress, I will remark, that from the lot of ground upon which this hall stands to the town of Soledad, twenty-six miles south, the entire distance up this beautiful valley

is encompassed by a chain of seven grants; and in all that vast territory, with an area of seventy-five thousand acres, there are no more than seventy-five houses—not counting the three little towns, which, by the way, are supported by families who own small government claims on the borders of these huge grants.

That community will thrive which is made up of homes, not tenements, and which improves its homesteads and preserves them for its posterity; that neighborhood will linger whose inhabitants live in the shanties "thrown in" with the land, upon condition that their inmates till the soil and deliver one third of the crop in the warehouse. Those people cannot enjoy the comforts of a home, nor feel the attachment for a domicile whose only tenure of the roof under which they sleep is a ten months' lease.

To blame the men who own these grants would be unfair, and to resort to legislation would be both useless and unjust. How, then, is the evil to be done away with? How can we fill the bareness of the Salinas Valley with bright cottages and green groves, with happiness and beauty? You gentlemen with the skeleton key of experience and sound judgment may throw back the lock which shuts out the eager throng of homeseekers, baffles the hopes of improvement, and benumbs the pulsations of industry. Within my own limited notice, I have observed that these large owners are greatly harrassed by the improvements of the little holdings about them.

The man who can devote his entire time and attention to his hundred and sixty acres receives a handsome return in interest at the end of the year. The improvements he makes upon his property materially enhances its value, and he can well afford to pay his taxes upon a high assessment; while the large holder, whose land must be assessed equally as high, but which does not bring him such good interest on his investment, feels keenly the amount of taxes he is compelled to pay. I have known a man to oppose and delay the opening of a new road through his land simply because he well knew his neighbor intended improving his property as soon as the highway was declared, and the improvements would cause all the property to be assessed much higher. Hence, I say, improve the small holdings and thus cause the larger ones to be improved also; and this requires the presence of many more workmen, and, therefore, their livelihood, or oblige their owners to subdivide them in order to be able to realize the large returns they are ever looking for. The grant owners are business men, and not capricious, and they will do with their large tracts what pays them the highest interest upon the money they have invested.

I think it is needless to remark that as I am speaking largely to citizens of our own county my province is not to laud the riches and virtues of our soil, nor to offer statistics in support of any assertions I might make in that direction. It would be but indiscretion and a waste of time and attention for me to tell you, farmer, how much the wheat in this or that section will yield; or tell you, orchardist, the kinds of fruit which the soil and climate where you live are best adapted for; and our experienced President would have a good joke on me to-morrow were I to pretend, in your presence, to tell him how well the Jerseys, the Holsteins, or the Mambrinos do in this, our favored valley. All these are settled facts; they are known quantities; and I take it that the only duty of the one appointed to address you on these occa-

sions is to throw out some hint—to propose some problem whose solution is of interest to the whole commonwealth. This I think I have done, and, differ with me if you will upon any or all of the matters I have treated of, you will be heartily in accord with me in saying that those hints and those problems should be as lightly thrown and as briefly put as possible. I will, therefore, conclude by thanking you all, in the name of the Directors of this association, for the encouragement your presence has lent, at all its sessions, towards making the fair the success it has been, by wishing you increased prosperity during the coming year, and hoping that we may meet here next October to enjoy in happy social reunion the privileges and benefits accorded to residents of Monterey County.

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------------|--------|
| THOROUGHBREDS—STALLIONS. | | |
| Kingston, three years old and over..... | B. Jacks, Monterey | \$5 00 |
| Sam Mount, two years old..... | Chas. Cockrill, Salinas City..... | 2 50 |
| L C, one year old..... | J. D. Carr, Salinas City | 1 25 |
| MARES. | | |
| Sentella, three years old and over..... | Chas. Cockrill, Salinas City..... | 4 00 |
| Mary L, one year old..... | Chas. Cockrill, Salinas City..... | 1 00 |
| ROADSTERS—STALLIONS. | | |
| Nutwood Chief, four years old and over..... | S. Lyons, Cholame..... | 10 00 |
| Brown Tom, three years old..... | Thos. Graves, Gonzales..... | 8 00 |
| Morning Star, two years old..... | J. D. Carr, Salinas City..... | 5 00 |
| MARES. | | |
| Nana B, three years old and over..... | J. D. Carr, Salinas City | 7 50 |
| Lucky Girl, two years old..... | J. D. Carr, Salinas City..... | 5 00 |
| May Boy, yearling..... | J. D. Carr, Salinas City..... | 5 00 |
| HORSES FOR ALL PURPOSES—STALLIONS. | | |
| Sailor Prince, four years old and over..... | P. M. Jacks, Salinas City..... | 15 00 |
| Bellington Lad, three years old | E. W. Davies, Salinas City..... | 10 00 |
| Juno, Jr., two years old..... | J. W. Bugby, Salinas City..... | 8 75 |
| Captain Sox, one year old..... | W. H. Clark, Salinas City..... | 2 50 |
| MARES. | | |
| Lady Jones, four years old and over..... | J. B. Iverson, Salinas City..... | 10 00 |
| Jennie and colt..... | J. B. Iverson, Salinas City..... | 10 00 |
| Flossie and colt..... | J. D. Carr, Salinas City..... | 5 00 |
| GELDING. | | |
| Pride..... | E. C. Callihan, Salinas City..... | 10 00 |
| John L..... | M. Lynn, Salinas City | 5 00 |
| DRAFT HORSES—STALLIONS. | | |
| Goodenough, four years old and over..... | H. Corey, Salinas City..... | 15 00 |
| Winston, three years old | H. Corey, Salinas City..... | 10 00 |
| Billy, two years old | S. J. Shermantine, Salinas City | 8 75 |
| GRADED DRAFT—STALLIONS. | | |
| Paradise and five colts | M. Lynn, Salinas City..... | 7 50 |
| Prince, four years old and over..... | P. Chrisman, Gonzales..... | 5 00 |
| MARES. | | |
| Maggie and four colts | M. Lynn, Salinas City..... | 7 50 |
| Dolly, four years old and over..... | John Sexton, Salinas City..... | 8 75 |
| Daisy, three years old..... | M. Lynn, Salinas City..... | 8 00 |
| Mary, two years old..... | M. Lynn, Salinas City..... | 2 50 |
| Sis, one year old..... | M. Lynn, Salinas City..... | 8 00 |
| Belle, suckling colt..... | M. Lynn, Salinas City..... | 2 50 |
| CARRIAGE HORSES. | | |
| Best span carriage horses..... | H. S. Ball, Salinas City..... | 5 00 |
| Best span buggy horses..... | P. Chrisman, Salinas City..... | 7 50 |
| Best single buggy horse..... | J. B. Iverson, Salinas City..... | 2 50 |
| Best saddle horse..... | John Sexton, Salinas City..... | 2 50 |
| SWEEPSTAKES. | | |
| Gabilan, best stallion, with four of his colts..... | J. D. Carr, Salinas City..... | 20 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--------------------------------------|---------|
| Salinas Maid, best mare and four of her colts..... | J. B. Iverson, Salinas City..... | \$10 00 |
| General Lee, best stallion of any breed..... | Theuerkauf & Chrisman, Gonzales..... | 15 00 |
| May Boy, second best stallion of any breed..... | J. D. Carr, Salinas City..... | 7 50 |
| Auntie Wilkes, best mare of any breed..... | J. C. Storm, Salinas City..... | 15 00 |
| Hattie S, second best mare of any breed..... | B. V. Sargent, Salinas City..... | 7 50 |
| Lee, best gelding of any breed..... | George Theuerkauf, Gonzales..... | 10 00 |
| Champion Wilkes, best colt of any breed..... | E. W. Davies, Salinas City..... | 5 00 |
| CATTLE. | | |
| Nero, Durham bull..... | James Thompson, Salinas City..... | 2 50 |
| Sadie, Jersey cow..... | J. R. Hebbroon, Salinas City..... | 2 50 |
| Miss Maginty, Galloway cow..... | J. J. Hebbroon, Salinas City..... | 2 50 |
| Molly, Polled Angus cow..... | J. J. Hebbroon, Salinas City..... | 2 50 |
| Peggy, graded cow..... | W. B. Ford, Salinas City..... | 5 00 |
| SWINE. | | |
| Best sow of any breed..... | J. J. Hebbroon, Salinas City..... | 5 00 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|--|--------|
| Farm gate, automatic..... | C. J. Fannef, Blanco..... | \$5 00 |
| Exhibit of blacksmith work..... | E. Maguire, Salinas City..... | 5 00 |
| Exhibit of tanned leather..... | W. J. Black, Salinas City..... | 15 00 |
| Home-made cotton socks..... | Mrs. D. G. Kaler, Salinas City..... | 1 00 |
| Crochet quilt..... | Mrs. J. P. Swending, Salinas City..... | 1 50 |
| Home-made woolen socks..... | Mrs. J. P. Swending, Salinas City..... | 1 00 |
| Rag rug..... | Mrs. W. Parsons, Salinas City..... | 2 00 |
| Parlor furniture..... | Francee & Burkman, Salinas City..... | 15 00 |
| Chamber furniture..... | Francee & Burkman, Salinas City..... | 7 50 |
| Spring mattresses..... | Francee & Burkman, Salinas City..... | 3 00 |
| Spring beds..... | Francee & Burkman, Salinas City..... | 3 00 |
| General display of furniture..... | Francee & Burkman, Salinas City..... | 20 00 |
| Sack barley..... | J. W. Patton, Salinas City..... | 2 00 |
| Sack Chevalier barley..... | J. B. Iverson, Salinas City..... | 2 00 |
| Sack oats..... | J. W. Patton, Salinas City..... | 2 00 |
| Sack corn..... | C. R. Reynolds, Salinas City..... | 2 00 |
| Garden products, fifteen varieties..... | M. Cartier, Salinas City..... | 10 00 |
| Sack potatoes..... | Charles Bardin, Salinas City..... | 2 00 |
| Sack dried beans..... | W. Parsons, Salinas City..... | 2 00 |
| Melons..... | M. Cartier, Salinas City..... | 1 00 |
| Squashes..... | C. R. Reynolds, Salinas City..... | 1 00 |
| Cucumbers..... | M. Cartier, Salinas City..... | 1 00 |
| Tomatoes..... | C. R. Reynolds, Salinas City..... | 2 00 |
| Sugar beets..... | C. Bardin, Salinas City..... | 3 00 |
| Carrots..... | J. R. Hebbroon, Salinas City..... | 1 00 |
| Pumpkins..... | C. Bardin, Salinas City..... | 2 00 |
| Sweet potatoes..... | P. T. Romie, Salinas City..... | 1 00 |
| Table and field beets..... | D. K. McDougall, Salinas City..... | 1 00 |
| Celery..... | M. Cartier, Salinas City..... | 1 00 |
| Best and largest display of fruit..... | P. T. Romie, Salinas City..... | 20 00 |
| Twelve varieties apples..... | R. N. Windsor, Salinas City..... | 10 00 |
| Twelve varieties apples..... | M. Lynn, Salinas City..... | 5 00 |
| Five varieties pears..... | R. N. Windsor, Salinas City..... | 7 50 |
| Five varieties pears..... | M. Lynn, Salinas City..... | 3 50 |
| Collection of plums..... | R. N. Windsor, Salinas City..... | 5 00 |
| Collection of plums..... | P. T. Romie, Salinas City..... | 2 50 |
| Collection of prunes..... | R. N. Windsor, Salinas City..... | 7 50 |
| Collection of prunes..... | P. T. Romie, Salinas City..... | 3 50 |
| Table grapes..... | M. Cartier, Salinas City..... | 3 50 |
| Wine grapes..... | M. Cartier, Salinas City..... | 3 50 |
| Collection of nuts..... | P. T. Romie, Salinas City..... | 5 00 |
| Collection of quinces..... | C. R. Reynolds, Salinas City..... | 2 50 |
| Collection of oranges and lemons..... | P. T. Romie, Salinas City..... | 5 00 |
| Fruit hermetically sealed in glass..... | Mrs. W. F. Treat, Salinas City..... | 10 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--|--------|
| Fruit hermetically sealed in glass | Mrs. R. Corey, Salinas City | \$5 00 |
| Exhibit of pickles | Mrs. W. F. Treat, Salinas City | 3 00 |
| Exhibit of pickles | Mrs. R. Corey, Salinas City | 1 50 |
| Exhibit of preserves | Mrs. R. Corey, Salinas City | 5 00 |
| Exhibit of preserves | Mrs. W. F. Treat, Salinas City | 2 50 |
| Exhibit of jellies | Mrs. D. G. Kaler, Salinas City | 5 00 |
| Exhibit of jellies | Mrs. R. Corey, Salinas City | 2 50 |
| Exhibit of domestic dried fruit | P. T. Romie, Salinas City | 10 00 |
| Exhibit of dried prunes and plums | P. T. Romie, Salinas City | 5 00 |
| Exhibit of dried apples | P. T. Romie, Salinas City | 2 00 |
| Exhibit of dried pears | P. T. Romie, Salinas City | 2 00 |
| Exhibit of dried apricots | P. T. Romie, Salinas City | 2 00 |
| Exhibit of dried peaches | P. T. Romie, Salinas City | 2 00 |
| Collection of flowers in bloom | Mrs. N. L. Buell, Salinas City | 5 00 |
| Collection of foliage plants | Mrs. N. L. Buell, Salinas City | 5 00 |
| Collection of new and rare plants | Mrs. N. L. Buell, Salinas City | 5 00 |
| Collection of fuchsias in bloom | Mrs. N. L. Buell, Salinas City | 1 00 |
| Collection of ferns | Mrs. N. L. Buell, Salinas City | 1 00 |
| Exhibit of native wines | M. Cartier, Salinas City | 10 00 |
| Exhibit of mineral specimens of district | C. A. Hudson, Salinas City | 5 00 |
| Exhibit of shells | C. A. Hudson, Salinas City | 2 50 |
| Exhibit of flour | Central Milling Co., Salinas City | 5 00 |
| Exhibit of cheese | A. Agostine, Salinas City | 5 00 |
| Exhibit of cheese | John Hebbroon, Salinas City | 2 50 |
| Exhibit of butter | M. Lynn, Salinas City | 5 00 |
| Exhibit of butter | J. D. Carr, Salinas City | 2 50 |
| Exhibit of home-made bread | Essie Rowling, Salinas City | 4 00 |
| Exhibit of home-made bread | Nellie Parsons, Salinas City | 2 00 |
| Plain silk embroidery | Mrs. P. Zaballa, Salinas City | 2 00 |
| Cambric embroidery | Mrs. R. Corey, Salinas City | 1 50 |
| Ribbosene | Miss A. Zaballa, Salinas City | 2 00 |
| Arrasene | Miss A. Zaballa, Salinas City | 2 00 |
| Tapestry embroidery | Mrs. J. P. Swending, Salinas City | 2 00 |
| Outline embroidery | Mrs. J. R. Hebbroon, Salinas City | 1 50 |
| Crochet hood | Mrs. R. Corey, Salinas City | 1 50 |
| Crochet scarf | Mrs. R. Corey, Salinas City | 1 50 |
| Article in chenille | Mrs. J. Grant, Salinas City | 2 50 |
| Piano cover | Mrs. S. W. Conklin, Salinas City | 2 00 |
| Table scarf | Mrs. N. L. Buell, Salinas City | 2 00 |
| Chair cover | Mrs. J. P. Swending, Salinas City | 2 00 |
| Sofa pillow | Mrs. J. P. Swending, Salinas City | 2 00 |
| Article of braiding | Mrs. J. Grant, Salinas City | 1 50 |
| Spanish work | Mrs. S. F. Geil, Salinas City | 3 00 |
| Spanish work | Miss A. Zaballa, Salinas City | 1 50 |
| Darned tulle | Mrs. J. P. Swending, Salinas City | 1 50 |
| Silk patchwork bed quilt | Miss Kate Riley, Salinas City | 2 00 |
| Cotton patchwork bed quilt | Mrs. D. K. McDougall, Salinas City | 2 00 |
| Afghan | Miss A. Jorgensen, Salinas City | 2 00 |
| Embroidered tidy | Mrs. N. L. Buell, Salinas City | 1 00 |
| Hemstitching | Mrs. D. G. Kaler, Salinas City | 1 00 |
| Crochet lace | Mrs. N. L. Buell, Salinas City | 2 00 |
| Modern point lace | Mrs. S. W. Conklin, Salinas City | 2 00 |
| Crochet tidy | Mrs. H. Samuels, Salinas City | 1 50 |
| Pillow shams | Miss A. Jorgensen, Salinas City | 1 50 |
| Tinsel embroidery | Mrs. N. L. Buell, Salinas City | 1 50 |
| Hand sewing | Mrs. J. R. Hebbroon, Salinas City | 1 50 |
| Handkerchief case | Miss A. Jorgensen, Salinas City | 1 00 |
| Painted lambrequin | Mrs. J. Grant, Salinas City | 1 00 |
| Painted panel | Mrs. J. Grant, Salinas City | 1 00 |
| Painting on bolting cloth | Mrs. N. L. Buell, Salinas City | 2 00 |
| Painted toilet set | Mrs. J. Grant, Salinas City | 2 00 |
| Sign painting | Francesee & Burkman, Salinas City | 5 00 |
| Water color from nature | Mrs. N. L. Buell, Salinas City | 5 00 |
| Hand-painted china | Mrs. N. L. Buell, Salinas City | 2 00 |
| Dress made by girl under fifteen | Essie Rowling, Salinas City | 5 00 |
| Sewing machine for all purposes | Singer Mfg. Co., Salinas City | 2 50 |
| Sewing machine for fancy work | Singer Mfg. Co., Salinas City | 2 50 |
| Exhibit of machine work | Singer Mfg. Co., Salinas City | 2 50 |

SPEED PROGRAMME.

TUESDAY, SEPTEMBER 29, 1891.

RACE No. 1—TROTTING.

Two-year Old Colt Stake; \$100 added. Mile heats, best two in three.

| | | |
|---|---|---|
| H. P. Brown's b. f. Kitty B, by Sidney | 1 | 1 |
| Z. Hebert's b. c. Bruno, by Junio | 2 | 2 |
| M. Lynn's g. f. Violante, by Antevolo | 3 | 3 |
| J. D. Carr's b. c. Morning Star, by Hawthorne | 4 | 4 |

Time—2:39½; 2:44.

RACE No. 2—TROTTING.

For named horses. Purse, \$150. Mile heats, best three in five.

| | | | |
|---|---|---|---|
| J. Dwain's b. g. Alfred G, by Junio | 1 | 1 | 1 |
| J. Cochran's ch. g. Coronado, by Menlo | 2 | 2 | 3 |
| R. S. R. Clayton's b. s. Fred Grant, by General Grant | 4 | 4 | 2 |
| A. G. Wilson's b. s. Charley K; pedigree unknown | 3 | 3 | 4 |

Time—2:45; 2:45½; 2:45.

RACE No. 3—RUNNING.

For named horses. Purse, \$150. One half mile and repeat.

| | | |
|---|---|---|
| S. N. Mathews' s. s. Johnny I, by Oliver Cromwell | 1 | 1 |
| C. Don's b. g. Hollister Dennis, by Judge McKinstry | 3 | 2 |
| B. S. Clark's b. m. Dairy Maid, by Judge McKinstry | 2 | 3 |
| H. Taylor's br. g. Comanche; pedigree unknown | 4 | 4 |

Time—0:51; 0:51½.

WEDNESDAY, SEPTEMBER 30, 1891.

RACE No. 4—TROTTING.

Three-year Old Colt Stake; \$100 added. Mile heats, best three in five.

| | | | | |
|--|---|---|---|---|
| Paris Kilburn's b. m. Aunty Wilkes, by Guy Wilkes | 1 | 0 | 1 | 1 |
| William Vanderhurst's b. m. Salinas Maid, by Junio | 2 | 0 | 2 | 2 |
| Z. Hebert's b. s. Spokane, by Junio | 3 | 3 | 3 | 3 |

Time—2:46; 2:41½; 2:41½; 2:39.

RACE No. 5—TROTTING.

For all one-year old colts in district. Purse, \$100. Half mile heats, best two in three.

| | | |
|---|---|---|
| J. H. Harris' b. c. May Boy, by Eros | 1 | 1 |
| C. C. Allen's b. c. Gold Dust, by Irwin Davis | 2 | 2 |

Time—1:46; 1:34.

RACE No. 6—PACING.

For named horses. Purse, \$150. Mile heats, best three in five.

| | | | |
|---|---|---|---|
| C. Rodriguez's s. g. San Carlos, by Brown Jug | 1 | 1 | 1 |
| J. Cochran's b. g. San José; pedigree unknown | 2 | 2 | 2 |
| A. C. Woods' s. g. T B; pedigree unknown | 3 | 3 | 3 |

Time—2:32; 2:27½; 2:33½.

THURSDAY, OCTOBER 1, 1891.

RACE No. 7—TROTTING.

For named horses. Purse, \$200. Mile heats, best three in five.

| | | | | |
|--|---|---|---|---|
| J. H. Harris' s. m. Maud H, by Carr's Mambrino | 1 | 2 | 1 | 1 |
| C. H. Corey's b. g. Rockwood, by Weatherhead's Nutwood | 3 | 1 | 3 | 3 |
| R. I. Orr's s. m. Mary O, by Brown Jug | 2 | 3 | 2 | 2 |

Time—2:34½; 2:30½; 2:30; 2:29½.

RACE No. 8—PACING.

For named horses. Purse, \$150. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| C. H. Corey's s. g. Dr. Swift, by Bayswood | 1 | 1 | 1 |
| C. Rodriguez's blk. g. Keno, by Jim Mulvenna | 2 | 2 | 2 |

Time—2:27½; 2:31; 2:33½.

RACE No. 9—RUNNING.

For two-year olds. Purse, \$125. Three quarters of a mile.

| | |
|--|---|
| J. E. King's b. s. Red Cloud, by Red Iron | 1 |
| J. W. Devine's b. m. Annie Lewis, by Flood | 2 |
| John Leach's br. s. Sam Mount, by Ironclad | 3 |

Time—1:17½.

FRIDAY, OCTOBER 2, 1891.

RACE No. 10—TROTTING.

For named horses. Purse, \$200. Mile heats, best three in five.

| | | | | | | |
|--|---|---|---|---|---|-------|
| J. Dwain's b. s. St. Patrick, by Carr's Mambrino | 1 | 1 | 3 | 3 | 4 | 1 |
| C. B. Coffin's br. s. Boodle, by Stranger | 2 | 2 | 1 | 2 | 1 | 2 |
| J. G. Sanchez's b. s. Billy Mathews, by Patchen | 3 | 4 | 4 | 1 | 2 | 3 |
| H. G. Cox's s. s. Boxwood, by Nutwood | 4 | 3 | 2 | 3 | 3 | r. o. |

Time—2:32; 2:31½; 2:35; 2:32; 2:34½; 2:34½.

RACE No. 11—TROTTING.

For all two-year olds in the district. Purse, \$150. Mile heats, best two in three.

| | | |
|--|------|---|
| M. Lynn's gr. f. Violante, by Antevolo | 1 | 1 |
| J. H. Harris' b. m. Lucky Girl, by Carr's Mambrino | 2 | 2 |
| Z. Hebert's b. c. Bruno, by Junio | dis. | |

Time—2:46; 2:46½.

SATURDAY, OCTOBER 3, 1891.

RACE No. 12—TROTTING.

Four-year Old Stake; \$100 added. Mile heats, best three in five.

| | | | |
|--|---|------|------|
| J. J. Nutting's gr. m. Starlight, by Jim Mulvenna..... | 2 | 1 | 1 |
| Cox & Wilson's blk. s. Bay Rum, by Sevenoaks..... | 3 | 2 | dis. |
| M. Williams' br. s. Gilpatrick, by Junio..... | 1 | dis. | |
| R. I. Orr's b. s. Ward B, by Eros..... | 4 | dis. | |

Time—2:33½; 2:38½; 2:38½.

RACE No. 13—TROTTING.

For named horses. Purse, \$200. Mile heats, best three in five.

| | | | |
|--|------|---|---|
| J. Dwain's b. m. Hattie B, by Alexander..... | 1 | 1 | 1 |
| H. G. Cox's b. m. Lady Grosvenor, by Grosvenor..... | 3 | 2 | 2 |
| R. S. R. Clayton's b. s. Fred Grant, by General Grant..... | 2 | 3 | 3 |
| J. G. Sanchez's blk. m. Diana Wilkes, by General Wilkes..... | dis. | | |

Time—2:42½; 2:39; 2:40½.

RACE No. 14—RUNNING.

Novelty Running Race. For all district horses. Purse, \$175. One and one quarter miles. First quarter, \$50; second, third, and fourth quarters, \$25 each; and last quarter, \$50.

| | |
|--|---|
| P. Collins' s. s. Cody B, by Wildidle..... | 1 |
| Taylor Bros.' s. s. Chaparral Bill, by Red Bird..... | 0 |
| A. Johnson's s. g. Comanche; pedigree unknown..... | 0 |
| R. I. Orr's b. m. Dairy Maid, by Judge McKinstry..... | 0 |
| S. Duncan's s. g. Jack the Ripper; pedigree unknown..... | 0 |

Time—0:24; 0:51½; 1:20; 1:48; 2:22.

Chaparral Bill was first at first quarter. Cody B was first at second, third, fourth, and fifth quarters.

RACE No. 15—RUNNING.

For all district horses. Purse, \$100. Five eighths of a mile.

| | |
|--|---|
| S. N. Mathews' s. g. Johnny I, by Oliver Cromwell..... | 1 |
| R. I. Orr's s. g. Early; pedigree unknown..... | 2 |
| C. Don's b. g. Hollister Dennis, by Judge McKinstry..... | 3 |
| Handley Bros.' b. s. Dashaway, by Wildidle..... | 0 |

Time—1:05.

RACE No. 16—RUNNING.

For named horses. Purse, \$125. Three quarters of a mile.

| | |
|--|---|
| J. E. King's ch. s. Joker, by Joe Hooker..... | 1 |
| J. W. Devine's b. m. Annie Lewis, by Flood..... | 2 |
| R. T. Gamble's b. g. Silver Bow, by imp. Factor..... | 3 |

Time—1:18½.

TRANSACTIONS
OF THE
EIGHTH DISTRICT AGRICULTURAL ASSOCIATION
For the Year 1891,
Composed of the County of El Dorado.

OFFICERS OF THE ASSOCIATION.

| | |
|----------------------|------------|
| G. J. CARPENTER..... | President. |
| THOMAS FRASER..... | Secretary. |
| JAMES BLAIR..... | Treasurer. |

DIRECTORS.

| | |
|------------------------------|--------------|
| ROBERT McKAY | Coloma. |
| FRANK MILLER..... | El Dorado. |
| JOHN P. ALLEN..... | Placerville. |
| ISAAC EDDY..... | Placerville. |
| SHELLY INCH | Placerville. |
| G. J. CARPENTER..... | Placerville. |
| TRICK HOLDBRIDGE..... | Placerville. |
| JOHN McFARLAND PEARSON*..... | Placerville. |

* Deceased.

REPORT.

PLACERVILLE, December 1, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Eighth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date. The fair commenced September 2, 1891, and continued five days.

The Board of Directors having dispensed with the speed programme and racing contests for the year 1891, the Eighth District Fair was strictly an exhibition of agricultural and horticultural products, including agricultural machinery, paintings, fine arts, etc., and no portion of the money appropriated by the State was given or offered for speed contests.

THOMAS FRASER,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | |
|--------------------------------------|------------|
| Sale of membership tickets..... | \$149 00 |
| Sale of ball tickets..... | 52 00 |
| Sale of wooden plates..... | 2 50 |
| Sale of daily admissions..... | 187 70 |
| Park privileges..... | 28 00 |
| State appropriation..... | 2,000 00 |
| Premiums donated to association..... | 355 28 |
| | <hr/> |
| | \$2,769 46 |

Expenditures.

| | |
|---|------------|
| Printing and advertising..... | \$56 40 |
| Stationery and postage..... | 5 00 |
| Music for fair and agricultural ball..... | 157 00 |
| Salary of Superintendent of Park and Pavilion, and Secretary..... | 130 00 |
| Rent of Pavilion and Park..... | 125 00 |
| Clerk hire at Pavilion..... | 27 50 |
| Labor, nails, water, lumber, etc..... | 165 08 |
| Premiums paid..... | 2,037 50 |
| Interest on State appropriation..... | 66 00 |
| | <hr/> |
| | \$2,769 46 |

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|---------|
| CLASS I. | | |
| Prince Albert, best stallion..... | Watson Marks, Placerville..... | \$20 00 |
| CLASS II. | | |
| Bronco, best stallion, three years old and over..... | Flem Jones, Smith's Flat..... | 10 00 |
| CLASS IV. | | |
| Dolly, best mare, three years old and over..... | Alonzo Joy, Placerville..... | 12 00 |
| CLASS V. | | |
| Prince, best roadster..... | G. W. Askew, El Dorado..... | 5 00 |
| CLASS VII. | | |
| Gip, best gelding, three years old..... | John Askew, El Dorado..... | 10 00 |
| CLASS X—CATTLE. | | |
| Black Hawk, best Jersey bull..... | John Askew, El Dorado..... | 10 00 |
| Charley, best Durham bull, three years old..... | T. Fraser, Placerville..... | 15 00 |
| Lucy, best Jersey cow, three years old..... | G. W. Askew, El Dorado..... | 15 00 |
| Queen, second best Jersey cow, three years old..... | P. J. Isbell, Placerville..... | 5 00 |
| Best Jersey cow, two years old..... | P. J. Isbell, Placerville..... | 10 00 |
| Second best Jersey cow, two years old..... | G. W. Askew, El Dorado..... | 5 00 |
| Best Durham bull, two years old..... | George B. Bailey, Placerville..... | 10 00 |
| Best Jersey bull, one year old..... | John Askew, El Dorado..... | 5 00 |
| Best heifer calf..... | John Askew, El Dorado..... | 2 50 |
| Best Jersey cow, one year old..... | George W. Askew, El Dorado..... | 5 00 |
| CLASS XI—HERDS. | | |
| Black Hawk and three cows..... | John Askew, El Dorado..... | 15 00 |
| CLASS XIV—SWINE. | | |
| Best Berkshire boar, two years old..... | T. Fraser, Placerville..... | 7 50 |
| Best Berkshire sow, two years old..... | G. B. Bailey, Placerville..... | 7 50 |
| Best Berkshire boar, under one year..... | T. Fraser, Placerville..... | 4 00 |
| Best Berkshire sow, under one year..... | Fred. James, Placerville..... | 4 00 |
| CLASS XV—POULTRY. | | |
| Best pair Toulouse geese..... | T. Fraser, Placerville..... | 2 00 |
| Best pair Black Leghorns..... | John Askew, El Dorado..... | 2 00 |
| Best pair Wyandottes..... | Fred. James, Placerville..... | 2 00 |
| Best pair Plymouth Rocks..... | Fred. James, Placerville..... | 2 00 |
| Best pair Red Games..... | Fred. James, Placerville..... | 2 00 |
| Best pair Blue Games..... | Fred. James, Placerville..... | 2 00 |
| Largest display of poultry..... | Fred. James, Placerville..... | 5 00 |
| Best pair White Leghorns..... | Perkins Inch, Placerville..... | 2 00 |
| Best pair Brown Leghorns..... | Perkins Inch, Placerville..... | 2 00 |
| Best pair Pekin ducks..... | Perkins Inch, Placerville..... | 2 00 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|------------------------|-------------------------------|---------|
| CLASS I. | | |
| Hurdy water wheel..... | C. J. Green, Placerville..... | \$10 00 |

THIRD DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-------------------------------------|------------|
| CLASS II. | | |
| Best exhibit of horseshoes and farriers' tools..... | John Fox, Placerville..... | \$5 00 |
| Best exhibit of fancy work and meritorious display | Singer Mfg. Co., Placerville..... | Dip. & \$5 |
| CLASS III. | | |
| Best exhibit of cabinet work | John Beckman, Placerville..... | \$2 00 |
| CLASS IV. | | |
| Best exhibit of soft soap | Mrs. W. Hendrix, Placerville..... | 2 00 |
| CLASS V. | | |
| Best exhibit of pocket cutlery..... | Shelly Inch, Placerville..... | 5 00 |
| Best display of millinery goods | Mrs. I. B. Thomas, Placerville..... | 20 00 |

FOURTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|--|--------|
| CLASS I. | | |
| Best twenty-five pounds shelled corn..... | F. W. McCuen, White Rock..... | \$3 00 |
| Best twenty-five pounds oats..... | F. W. McCuen, White Rock..... | 3 00 |
| Best twenty-five pounds wheat..... | Louis Reiber, Six-mile House..... | 4 00 |
| Best twenty-five pounds rye..... | Louis Reiber, Six-mile House..... | 3 00 |
| Best twenty-five pounds barley..... | Louis Reiber, Six-mile House..... | 4 00 |
| Best twenty-five pounds buckwheat..... | Louis Reiber, Six-mile House..... | 3 00 |
| Best display of tobacco plants..... | Louis Reiber, Six-mile House..... | 2 50 |
| Best ten pounds flax | Louis Reiber, Six-mile House..... | 2 50 |
| Best display of hops..... | W. W. Hoyt, Hank's Exchange..... | 3 00 |
| CLASS II. | | |
| Best sweet corn on stalk..... | J. P. Allen, Placerville..... | 4 00 |
| Second best..... | J. Bunker, Jr., Placerville..... | 2 00 |
| Best popcorn | W. W. Hoyt, Hank's Exchange..... | 2 00 |
| Second best..... | Geo. Van Vleck, Placerville..... | 1 00 |
| Best display of potatoes..... | Geo. Van Vleck, Placerville..... | 7 50 |
| Second best..... | G. W. Askew, El Dorado..... | 6 00 |
| Third best..... | J. Bunker, Jr., Placerville..... | 2 50 |
| Best display of onions..... | Kramp & Co., Diamond Springs..... | 5 00 |
| Second best..... | L. Rosier, Placerville..... | 2 50 |
| Best exhibit of tomatoes..... | J. P. Allen, Placerville..... | 3 00 |
| Second best..... | Geo. Van Vleck, Placerville..... | 2 00 |
| Best exhibit of cabbage | J. P. Allen, Placerville..... | 3 00 |
| Second best..... | Geo. Van Vleck, Placerville..... | 2 00 |
| Best exhibit of cauliflower | Geo. Van Vleck, Placerville..... | 2 50 |
| Best exhibit of parsnips..... | Geo. Van Vleck, Placerville..... | 2 50 |
| Second best..... | J. Bunker, Jr., Upper Placerville..... | 2 00 |
| Best exhibit of stock carrots..... | Geo. Van Vleck, Placerville..... | 2 50 |
| Best exhibit of table carrots..... | Geo. Van Vleck, Placerville..... | 2 50 |
| Best table beets..... | J. P. Allen, Placerville..... | 2 50 |
| Second best..... | J. Bunker, Jr., Upper Placerville..... | 2 00 |
| Best exhibit of stock beets..... | Geo. Van Vleck, Placerville..... | 2 50 |
| Best twenty-five pounds bayo beans..... | J. P. Allen, Placerville..... | 5 00 |
| Best exhibit of cucumbers..... | J. C. Marsh, Placerville..... | 2 00 |
| Second best..... | Geo. Van Vleck, Placerville..... | 1 00 |
| Best exhibit of green peppers..... | J. C. Marsh, Placerville..... | 1 50 |
| Second best..... | Geo. Van Vleck, Placerville..... | 1 00 |
| CLASS III. | | |
| Best exhibit of flowering plants..... | Mrs. M. Varozza, Placerville..... | 5 00 |
| Best exhibit of foliage plants..... | Mrs. M. Varozza, Placerville..... | 5 00 |
| Best exhibit of cut flowers..... | Mrs. G. W. Van Vleck, Placerville..... | 2 00 |
| Best bouquet of cut flowers | Mrs. J. Currey, Placerville..... | 2 50 |
| Second best..... | Mrs. G. W. Van Vleck, Placerville..... | 2 00 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---|--------|
| Best display of ferns | Mrs. M. Varozza, Placerville | \$2 00 |
| Best display of ornamental grasses | Mrs. M. Varozza, Placerville | 2 50 |
| Best floral design | Mrs. J. Currey, Placerville | 3 00 |
| Best cheese under one year | Mrs. G. W. Van Vleck, Placerville | 2 50 |
| Best six pounds roll butter | Geo. W. Askew, El Dorado | 5 00 |
| Second best | Mrs. P. J. Isbell, Placerville | 2 50 |
| Best twenty pounds firkin butter | Geo. W. Askew, El Dorado | 5 00 |
| Second best | John Askew, El Dorado | 2 50 |
| Best ten pounds lard | Joseph Lyon, Placerville | 2 50 |
| Second best | John Askew, El Dorado | 2 00 |
| CLASS V. | | |
| Best two loaves wheat bread | Mrs. P. J. Isbell, Placerville | 3 00 |
| Second best | Mrs. J. H. Maynard, Placerville | 2 50 |
| Best two loaves rye bread | Mrs. J. H. Maynard, Placerville | 2 00 |
| Best two loaves corn bread | Mrs. J. H. Maynard, Placerville | 2 00 |
| Best two loaves brown bread | Mrs. J. H. Maynard, Placerville | 2 00 |
| Best two loaves graham bread | Mrs. J. H. Maynard, Placerville | 2 00 |
| Best raised biscuit | Mrs. P. J. Isbell, Placerville | 2 00 |
| Largest exhibit of domestic bread | Mrs. J. H. Maynard, Placerville | 5 00 |

FIFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------------|--|--------|
| CLASS I. | | |
| Best display of apples | J. L. Weymouth, Placerville | \$7 50 |
| Second best | G. W. Van Vleck, Placerville | 6 00 |
| Third best | P. Wilkinson, Placerville | 5 00 |
| Fourth best | Wm. Hendrix, Placerville | 3 00 |
| Best display of peaches | T. O. Hardie, Placerville | 7 50 |
| Second best | Jacob Lyon, Prospect Flat | 6 00 |
| Third best | F. W. McCuen, White Rock | 5 00 |
| Fourth best | G. W. Van Vleck, Placerville | 4 00 |
| Best display of pears | T. Fraser, Placerville | 7 50 |
| Second best | P. Wilkinson, Placerville | 6 00 |
| Third best | Frank Whitbeck, Blakeleys | 5 00 |
| Fourth best | H. L. Dingman, Placerville | 4 00 |
| Best display of plums | T. Fraser, Placerville | 7 50 |
| Second best | Louis Reiber, Six-mile House | 6 00 |
| Third best | S. R. Tripp, Placerville | 5 00 |
| Fourth best | Frank Whitbeck, Blakeleys | 3 00 |
| Best display of prunes | S. R. Tripp, Placerville | 7 50 |
| Second best | T. Fraser, Placerville | 6 00 |
| Third best | Frank Whitbeck, Blakeleys | 5 00 |
| Best display of nectarines | Joseph Lyon, Prospect Flat | 7 50 |
| Second best | Louis Reiber, Six-mile House | 5 00 |
| Best display of figs | Mrs. E. A. Knighton, Placerville | 5 00 |
| Second best | R. P. Patterson, Placerville | 4 00 |
| Best display of strawberries | John Bunker, Jr., Placerville | 1 00 |
| Best display of blackberries | Levi Rosier, Placerville | 1 00 |
| Best display of table grapes | Thos. O. Hardie, Placerville | 7 50 |
| Second best | Louis Reiber, Six-mile House | 6 00 |
| Best display of wine grapes | Kramp & Co., Diamond Springs | 7 50 |
| Best general display of grapes | Thos. O. Hardie, Placerville | 10 00 |
| CLASS II. | | |
| Best ten pounds dried apples | Ira S. Bamber, Coon Hollow | 3 00 |
| Second best | Jacob Lyon, Prospect Flat | 2 50 |
| Best ten pounds dried pears | Jacob Lyon, Prospect Flat | 3 00 |
| Second best | F. W. McCuen, White Rock | 2 50 |
| Best ten pounds dried peaches | Ira S. Bamber, Coon Hollow | 3 00 |
| Second best | Louis Reiber, Six-mile House | 2 50 |
| Best ten pounds dried plums | Jacob Lyon, Prospect Flat | 3 00 |
| Second best | F. W. McCuen, White Rock | 2 50 |
| Best ten pounds dried apricots | Ira S. Bamber, Coon Hollow | 3 00 |

FIFTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------------------|-----------|
| Best ten pounds dried nectarines..... | Jacob Lyon, Prospect Flat..... | \$3 00 |
| Second best..... | Ira S. Bamber, Coon Hollow..... | 2 50 |
| Best ten pounds dried prunes..... | Ira S. Bamber, Coon Hollow..... | 3 00 |
| Best ten pounds dried figs..... | Ira S. Bamber, Coon Hollow..... | 3 00 |
| Second best..... | Mrs. E. A. Knighton, Placerville..... | 1 50 |
| Best display of raisins..... | Thos. O. Hardie, Placerville..... | 10 00 |
| Second best..... | Ira S. Bamber, Coon Hollow..... | 7 50 |
| Best display of walnuts..... | Jacob Lyon, Prospect Flat..... | 2 50 |
| Best display of soft-shell almonds..... | Wm. Hendrix, Placerville..... | 4 00 |
| Best exhibit of English walnuts..... | Wm. Hendrix, Placerville..... | 5 00 |
| Best display of seedless raisins..... | Thos. O. Hardie, Placerville..... | 5 00 |
| Best display of Italian chestnuts..... | Mrs. W. Hendrix, Placerville..... | 2 50 |
| Best display of American chestnuts..... | Mrs. W. Hendrix, Placerville..... | 2 50 |
| CLASS III. | | |
| Best display of jellies in glass..... | Mrs. J. C. Marsh, Placerville..... | 5 00 |
| Second best..... | Mrs. J. Blackinson, White Rock.. | 4 00 |
| Best display of jams in glass..... | Mrs. J. C. Marsh, Placerville..... | 5 00 |
| Best display of preserves in glass..... | Mrs. J. C. Marsh, Placerville..... | 5 00 |
| Second best..... | Mrs. J. Blackinson, White Rock.. | 4 00 |
| Best display and quality of jams and jellies in glass..... | Mrs. J. C. Marsh, Placerville..... | D. & 5 00 |
| Best ten pounds honey in comb..... | S. J. Weymouth, Placerville..... | 2 50 |
| CLASS IV. | | |
| Best six bottles grape brandy..... | Kramp & Co., Diamond Springs.. | 5 00 |
| Best six bottles peach brandy..... | Kramp & Co., Diamond Springs.. | 4 00 |
| Best six bottles apple brandy..... | Kramp & Co., Diamond Springs.. | 4 00 |
| Best six bottles dry white wine..... | Kramp & Co., Diamond Springs.. | 4 00 |
| Best six bottles sweet white wine..... | Kramp & Co., Diamond Springs.. | 4 00 |
| Best six bottles claret wine..... | Kramp & Co., Diamond Springs.. | 4 00 |
| Best six bottles port wine..... | Kramp & Co., Diamond Springs.. | 4 00 |
| Best six bottles sherry wine..... | Kramp & Co., Diamond Springs.. | 4 00 |
| Best six bottles champagne wine..... | Kramp & Co., Diamond Springs.. | 4 00 |
| Best six bottles apple cider..... | Kramp & Co., Diamond Springs.. | 2 00 |
| Best display of wines and brandies..... | Kramp & Co., Diamond Springs.. | 10 00 |

SIXTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------------|---------------------------------------|--------|
| CLASS I. | | |
| Best silk embroidery..... | Mrs. M. A. Murphy, Placerville..... | \$4 00 |
| Best cotton embroidery..... | Mrs. M. A. Murphy, Placerville..... | 4 00 |
| Best outline embroidery..... | Mrs. M. A. Murphy, Placerville..... | 2 50 |
| Best embroidered table cover..... | Mrs. M. A. Murphy, Placerville..... | 3 50 |
| Best embroidered scarf..... | Mrs. M. A. Murphy, Placerville..... | 3 50 |
| Handsome ottoman cover..... | Mrs. M. A. Murphy, Placerville..... | 2 50 |
| Best toilet set..... | Mrs. M. A. Murphy, Placerville..... | 2 50 |
| Handsome fire screen..... | Miss L. Weatherwax, Placerville..... | 3 50 |
| Best crochet bedspread..... | Mrs. A. H. Duncan, Placerville..... | 3 50 |
| Best crochet shawl..... | Mrs. A. H. Duncan, Placerville..... | 3 50 |
| Best pair pillow shams..... | Mrs. A. H. Duncan, Placerville..... | 3 50 |
| Best point lace work..... | Mrs. J. A. Hoover, Placerville..... | 2 50 |
| Handsome lamp mat..... | Mrs. J. A. Hoover, Placerville..... | 2 00 |
| Best ribbon work..... | Mrs. F. Engesser, Green Valley..... | 3 00 |
| Best paper flowers..... | Mrs. F. Engesser, Green Valley..... | 2 50 |
| Best ladies' underwear..... | Mrs. F. Engesser, Green Valley..... | 5 00 |
| Best embroidered piano cover..... | Mrs. A. L. Kramp, Diamond Spr'gs..... | 3 00 |
| Handsome crochet skirt..... | Mrs. A. L. Kramp, Diamond Spr'gs..... | 3 50 |
| Handsome lambrequin..... | Mrs. A. L. Kramp, Diamond Spr'gs..... | 2 50 |
| Handsome handkerchief case..... | Mrs. A. L. Kramp, Diamond Spr'gs..... | 2 50 |
| Best carriage afghan..... | Mrs. A. L. Kramp, Diamond Spr'gs..... | 3 00 |
| Best pair knit stockings..... | Mrs. H. H. Pratt, Placerville..... | 2 00 |
| Best rug made of rags..... | Mrs. J. Lyon, Grizzly Flat..... | 2 00 |
| Best knit undervest..... | Mrs. J. O'Donnell, Placerville..... | 1 20 |

SIXTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---|--------|
| Best door mat made of rags | Mrs. L. Rosier, Placerville | \$2 50 |
| Best chenille work | Miss Belle Landecker, Placerville | 2 50 |
| Best ornamental plaque | Mrs. M. A. Murphy, Placerville | 3 50 |
| Best embroidered chair seat | Mrs. M. A. Murphy, Placerville | 3 50 |
| Best arrasene embroidery | Mrs. E. W. Witmer, Placerville | 2 00 |
| Best embroidered banner | Mrs. E. W. Witmer, Placerville | 3 50 |
| Best applique work | Mrs. E. W. Witmer, Placerville | 2 50 |
| Handsome sofa cushion | Mrs. E. W. Witmer, Placerville | 2 50 |
| Handsomest tidy | Mrs. E. W. Witmer, Placerville | 2 00 |
| Best display of canvas work | Mrs. E. W. Witmer, Placerville | 3 00 |
| Best display of fancy picture frames | Mrs. E. W. Witmer, Placerville | 2 50 |
| Largest display of fancy work | Mrs. E. W. Witmer, Placerville | 7 50 |
| Handsomest crazy quilt | Mrs. A. S. Cook, Placerville | 5 00 |
| Best display of kensington work | Mrs. A. S. Cook, Placerville | 3 50 |
| Best display of infant's clothing | Mrs. A. S. Cook, Placerville | 4 00 |
| Best lady's home-made calico dress | Miss M. G. Fraser, Placerville | 5 00 |
| Best patchwork quilt | Mrs. S. Rohlfing, Smith's Flat | 2 50 |
| CLASS II—JUVENILE. | | |
| Best worsted embroidery | Erla Witmer, Placerville | 2 50 |
| Best silk embroidery | Mattie Williams, Placerville | 2 50 |
| Best cotton embroidery | Mattie Williams, Placerville | 2 50 |
| Best crochet work | Mattie Williams, Placerville | 2 50 |
| Child's home-made calico dress | Murial Ames, Placerville | 5 00 |

SEVENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|---|------------|
| CLASS I. | | |
| Best water color painting | Miss L. Weatherwax, Placerville | \$5 00 |
| Best oil color portrait (local subject) | Miss L. Weatherwax, Placerville | 6 00 |
| Best and largest collection of paintings | Miss L. Weatherwax, Placerville | 7 50 |
| Best oil painting on textile fabrics | Miss L. Weatherwax, Placerville | 5 00 |
| Best oil painting (still life) | Miss Belle Landecker, Placerville | 6 00 |
| Second best | Mrs. A. L. Kramp, Diamond Spr'gs | 5 00 |
| CLASS II. | | |
| Best india ink drawing | Miss L. Weatherwax, Placerville | 5 00 |
| Best pastel drawing | Miss L. Weatherwax, Placerville | 5 00 |
| Best crayon portrait | Miss Belle Landecker, Placerville | 2 50 |
| Best pencil drawing | Miss Belle Landecker, Placerville | 2 50 |
| CLASS III. | | |
| Best collection of paintings | Miss L. Weatherwax, Placerville | 5 00 |
| Best collection of oil paintings on textile fabrics | Miss L. Weatherwax, Placerville | 3 00 |
| Best oil painting (copy) | Miss L. Weatherwax, Placerville | 3 50 |
| Best water color (original) | Miss L. Weatherwax, Placerville | 3 50 |
| Best oil painting (original) | Miss L. Weatherwax, Placerville | 5 00 |
| CLASS IV—JUVENILE. | | |
| Best animal drawing (pencil) | Francois J. O'Keefe, Placerville | 1 20 |
| Best landscape (pencil copy) | Francis J. O'Keefe, Placerville | 1 20 |
| Best map in colors | Francis J. O'Keefe, Placerville | 2 40 |
| Landscape drawing (crayon) | Miss Ida Curry, Placerville | 2 50 |
| Animal drawing (crayon) | Miss Ida Curry, Placerville | 2 50 |
| CLASS V. | | |
| Best photo views in district | J. W. Bird, Placerville | D. & 10 00 |
| Best collection of photographs | J. W. Bird, Placerville | Diploma. |

SPECIAL PREMIUMS—(ADVERTISED).

| Exhibit. | Exhibitor. | Award. |
|--|--------------------------------------|---------|
| Best general display of green fruits | J. C. Marsh, Placerville | \$60 00 |
| Second best | Robert McKay, Coloma | 50 00 |
| Third best | I. S. Bamber, Coon Hollow | 40 00 |
| Fourth best | William Veerkamp, Granite Hill | 30 00 |
| Best general display of vegetables | Louis Reiber, Six-mile House | 40 00 |
| Second best | McCuen Bros., White Rock | 30 00 |
| Third best | S. R. Tripp, Upper Placerville | 25 00 |
| Fourth best | Joseph Lyon, Prospect Flat | 20 00 |
| Best general display of dried fruit | James Weymouth, Placerville | 40 00 |
| Second best | Robert McKay, Coloma | 30 00 |
| Third best | Jason C. Marsh, Placerville | 20 00 |

SPECIAL AWARDS BY BOARD.

| Exhibit. | Exhibitor. | Award. |
|--|---|------------|
| Meritorious display of cabinet work | John Beckman, Placerville | \$10 00 |
| Display of furniture | Morris & Kelley, Placerville | D. & 5 00 |
| Best electric display | C. J. Green, Placerville | 10 00 |
| Display of groceries | Schiff & Limpensel, Placerville | D. & 5 00 |
| Exhibit of amber cane | John Blackinson, White Rock | 1 00 |
| Exhibit of barberries and plant | Mrs. E. A. Knighton, Placerville | 5 00 |
| Exhibit of seedling peaches | H. L. Dingman, Placerville | 5 00 |
| Exhibit of new prunes | R. P. Patterson, Placerville | 2 50 |
| Meritorious display of fancy work | Mrs. J. Blackinson, White Rock | 3 00 |
| Meritorious display of worsted flowers | Mrs. F. Engesser, Green Valley | 2 50 |
| Best silk crazy quilt | Miss May Fisher, Placerville | 2 50 |
| Crochet rug and card holders | Miss G. Blackinson, White Rock | 1 00 |
| Meritorious display of fancy work | Miss Belle Landecker, Placerville | 10 00 |
| Crochet lace | Mrs. J. H. Maynard, Placerville | 2 50 |
| Display of fancy work | Miss Pearl Varozza, Placerville | 2 50 |
| Display of fancy work | Miss Helen Bennett, Placerville | 2 50 |
| Display of fancy work | Miss Alice Rohlfing, Smith's Flat | 2 50 |
| Display of oil paintings | Mrs. A. S. Cook, Placerville | 5 00 |
| Exhibit of circular railroad and engine | Shelly Inch, Jr., Placerville | 1 00 |
| Exhibit of portrait painting | Miss Cora Merry, Placerville | Hn. men. |
| Exhibit of amateur photography | Mrs. C. A. Swisler, Placerville | Hn. men. |
| Largest exhibit of apples, thirty-two var. | Jacob Lyon, Prospect Flat | \$50 00 |
| Largest exhibit of grapes without irrigation | Thomas O. Hardie, Placerville | 50 00 |
| Second largest exhibit of apples, thirty var. | John McKay, Coloma | 40 00 |
| For largest and best general display of fruits and vegetables | Louis Reiber, Six-mile House | 75 00 |
| Second largest and best | McCuen Bros., White Rock | 60 00 |
| Third largest and best | Joseph Lyon, Prospect Flat | 50 00 |
| Fourth largest and best | George W. Van Vleck, Placerville | 40 00 |
| Fifth largest and best | John P. Allen, Placerville | 30 00 |
| Sixth largest and best | Stephen R. Tripp, Placerville | 25 00 |
| Best display of wines, brandies, and cham- pagne | Kramp & Co., Diamond Springs | 50 00 |
| Best exhibit of persimmons, Smyrna figs, and prunes | R. P. Patterson, Placerville | D. & 25 00 |
| For largest herd of Jersey stock | John Askew, El Dorado | 25 00 |
| Second largest | George W. Askew, El Dorado | 20 00 |
| Exhibit of domestic bread | Mrs. P. J. Isbell, Placerville | 10 00 |
| Largest exhibit of paintings | Miss L. Weatherwax, Placerville | 20 00 |
| Largest exhibit of baled hops | W. W. Hoyt, Diamond Springs | 10 00 |

BABY SHOW.

SATURDAY, SEPTEMBER 5, 1891.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|------------------------------------|--------|
| Finest boy baby under one year | Mrs. A. S. Cook, Placerville..... | \$5 00 |
| Finest girl baby under one year | Mrs. Fisher, Placerville..... | 5 00 |
| Finest family of four | Mrs. J. H. Maynard, Placerville .. | 10 00 |
| Second finest family of four..... | Mrs. T. H. Carr, Placerville..... | 7 50 |

TRANSACTIONS
OF THE
NINTH DISTRICT AGRICULTURAL ASSOCIATION
For the Year 1891,
Composed of the Counties of Humboldt and Del Norte.

OFFICERS OF THE ASSOCIATION.

| | |
|----------------------|------------|
| G. C. BARBER | President. |
| GEO. UNDERWOOD | Secretary. |
| L. FEIGENBAUM | Treasurer. |

DIRECTORS.

| | |
|--------------------|----------------|
| G. C. BARBER | Grizzly Bluff. |
| J. D. BARBER | Hydesville. |
| GEO. BYARD | Fortuna. |
| S. F. PINE | Eureka. |
| IRA A. RUSS | Eureka. |
| B. H. McNEIL | Rohnerville. |
| W. S. LAMB | Rohnerville. |
| H. C. RAWSON | Del Norte. |

REPORT.

ROHNERVILLE, CAL., December 1, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Ninth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

GEORGE UNDERWOOD,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|-----------------------------|----------|-------------------|
| Entrance fees..... | \$895 05 | |
| Gate receipts..... | 3,045 15 | |
| Privileges..... | 449 00 | |
| Grand stand..... | 255 00 | |
| Restaurant..... | 446 25 | |
| State warrant..... | 2,250 00 | |
| Ball..... | 170 50 | |
| Bills payable..... | 1,000 00 | |
| Overdrawn on Treasurer..... | 413 32 | |
| | | <u>\$8,924 27</u> |

Expenditures.

| | | |
|-------------------------------|------------|-------------------|
| Purses..... | \$2,385 00 | |
| Premiums..... | 1,850 00 | |
| Music..... | 250 00 | |
| Printing and advertising..... | 346 47 | |
| Old warrants paid..... | 189 50 | |
| Miscellaneous..... | 2,734 86 | |
| Amount overdrawn, 1890..... | 168 44 | |
| Real estate..... | 1,000 00 | |
| | | <u>\$8,924 27</u> |

PREMIUMS AWARDED—1891.

LIVE STOCK DEPARTMENT:

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|---------|
| CLASS I—THOROUGHERED HORSES—STALLIONS. | | |
| Walter H. Overton, three years old | G. E. Smith, Eureka | \$10 00 |
| MARES. | | |
| Linda, four years old | T. J. Knight, Table Bluff | 10 00 |
| Camil, two years old | T. J. Knight, Table Bluff | 8 00 |
| Eola, three years old | A. S. Knight, Table Bluff | 8 00 |
| Oreola, three years old | T. J. Knight, Table Bluff | 4 00 |
| SUCKLING COLTS. | | |
| Intruder | T. J. Knight, Table Bluff | 6 00 |
| Tom | T. J. Knight, Table Bluff | 8 00 |
| CLASS II—HORSES OF ALL WORK—STALLIONS. | | |
| Gauntlet, four years old | G. H. Gray, Hydesville | 18 00 |
| Dick Patchen, four years old | Hatch & Parrott, Rohnerville | 9 00 |
| Don, three years old | W. Dinsmore, Alton | 10 00 |
| Dan, two years old | W. Dinsmore, Alton | 10 00 |
| MARES OR GELDINGS. | | |
| Kate, four years old | G. Patrick, Grizzly Bluff | 10 00 |
| Julia, four years old | H. Myrick, Rohnerville | 5 00 |
| Maud, three years old | H. Kaussen, Alton | 8 00 |
| Dick (gelding), three years old | Mrs. A. Buttle, Ferndale | 4 00 |
| Katy Clyde, two years old | H. J. Kaussen, Alton | 8 00 |
| Barney Moore (gelding), one year old | Henry Kaussen, Alton | 8 00 |
| Tommy (gelding), one year old | H. A. Myrick, Rohnerville | 4 00 |
| SUCKLING COLTS. | | |
| Midnight | Henry Brown, Grizzly Bluff | 6 00 |
| Lafayette | G. H. Gray, Hydesville | 3 00 |
| CLASS III—DRAFT HORSES—STALLIONS. | | |
| John Shire, four years old | G. H. Gray, Hydesville | 18 00 |
| Valjean, four years old | Hatch & Parrott, Rohnerville | 9 00 |
| Farmer, three years old | James Ross, Arcata | 10 00 |
| Young Bonaparte, two years old | G. H. Gray, Hydesville | 10 00 |
| MARES OR GELDINGS. | | |
| Jet (mare), four years old | A. G. Connick, Alton | 10 00 |
| Kate, four years old | James Ross, Arcata | 5 00 |
| Dick (gelding), three years old | C. Kruser, Ferndale | 8 00 |
| Dick (gelding), three years old | H. A. Myrick, Rohnerville | 4 00 |
| Fan, two years old | James Ross, Arcata | 8 00 |
| Jane, two years old | J. D. Barber, Hydesville | 4 00 |
| Prince, one year old | James Ross, Arcata | 8 00 |
| Kate | G. H. Gray, Hydesville | 4 00 |
| SUCKLING COLTS. | | |
| Queen | James Ross, Arcata | 6 00 |
| Victory | G. H. Gray, Hydesville | 3 00 |
| CLASS IV—ROADSTERS—STALLIONS. | | |
| Poscora Hayward, four years old and over | Hatch & Parrott, Rohnerville | 18 00 |
| Highland Chief, four years old and over | G. H. Gray, Hydesville | 9 00 |
| Wayland W, three years old | A. W. Lytle, Eureka | 10 00 |

LIVE STOCK DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------------|--|--------|
| Onward, three years old | Charles F. Mills, Ferndale | \$5 00 |
| Mustapha, two years old | Dr. Gross, Eureka | 10 00 |
| Billy, two years old | W. E. Calais, Fortuna | 5 00 |
| MARES OR GELDINGS. | | |
| May Moore, four years old | Peter Houck, Alton | 12 00 |
| Silvershields, four years old | W. A. Dunnigan, Rohnerville | 6 00 |
| Desdemona, three years old | A. C. Roussin, Ferndale | 8 00 |
| Dignus, two years old | N. Groton, Rohnerville | 8 00 |
| Flossie, two years old | G. E. Smith, Eureka | 4 00 |
| Iona, one year old | Robert Noble, Fortuna | 8 00 |
| Lady Grand, one year old | William Dinsmore, Alton | 4 00 |
| P. Q. Patchen, one year old | Pat Quinn, Table Bluff | 8 00 |
| Arthur Hayward, one year old | Ben Arthur, Blocksburg | 4 00 |
| SUCKLING COLTS. | | |
| Dick | G. W. Dunnigan, Rohnerville | 6 00 |
| Never Fail | Peter Houck, Alton | 3 00 |
| CLASS V—SPAN DRAFT HORSES. | | |
| Boston and John | Ben Parrott, Rohnerville | 5 00 |
| Jem and Ned | G. H. Gray, Hydesville | 10 00 |
| CLASS VI—BUGGY HORSE. | | |
| Tom Haywood | Edmunston Bros., Ferndale | 6 00 |
| Black Pet | C. G. McAllister, Ferndale | 3 00 |
| CLASS VII—CARRIAGE HORSES. | | |
| Babe and Nig | A. G. Connick, Alton | 10 00 |
| Fred and Jan | Dr. W. E. Mack, Rohnerville | 5 00 |
| CLASS VIII—SADDLE HORSES. | | |
| Faro | Willie Russ, Ferndale | 6 00 |
| Toka | J. T. Roberts, Ferndale | 3 00 |
| CLASS IX—JACKS AND MULES. | | |
| Jack | A. S. Knight, Table Bluff | 10 00 |
| Jack and Sid, pair of mules | N. G. Dukes, Grizzly Bluff | 10 00 |
| Liz and Gypsy, pair of mules | N. Hurlburt, Ferndale | 5 00 |
| CATTLE—THOROUGHBRED DURHAMS—BULLS. | | |
| Duke, three years old | Edmunston Bros., Ferndale | 12 00 |
| Tom, three years old | G. H. Gray, Hydesville | 6 00 |
| COWS. | | |
| Mystern, three years old | Willie Russ, Ferndale | 10 00 |
| Rosetta, three years old | Willie Russ, Ferndale | 5 00 |
| GRADED DURHAMS—BULLS. | | |
| Bill, three years old | William Samuels, Ferndale | 8 00 |
| John, three years old | R. Bryant, Alton | 4 00 |
| Bill, two years old | Nick Weiland, Grizzly Bluff | 8 00 |
| —, one year old | William Samuels, Ferndale | 6 00 |
| COWS. | | |
| Pet, three years old | H. A. Myrick, Rohnerville | 6 00 |
| Star, one year old | Edmunston Bros., Ferndale | 4 00 |
| Bess, one year old | A. Worthington, Waddington | 2 00 |
| Rose, calf | Edmunston Bros., Ferndale | 4 00 |
| Daisy, calf | A. Worthington, Waddington | 2 00 |
| THOROUGHBRED JERSEYS—BULLS. | | |
| Billy, two years old | E. Look, Rohnerville | 10 00 |
| COWS. | | |
| Princess, three years old | R. W. Roberts, Ferndale | 10 00 |
| Daisy, three years old | H. M. Strong, Rohnerville | 5 00 |
| Jessie, two years old | R. W. Roberts, Ferndale | 10 00 |
| Bessie, two years old | R. W. Roberts, Ferndale | 5 00 |
| Kate Beecher, one year old | James Worthington, Grizzly Bluff | 8 00 |

LIVE STOCK DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|-------------------------------------|--------|
| GRADED JERSEYS—COWS. | | |
| Daisy, three years old | Willie Reynolds, Rohnerville | \$6 00 |
| Maggie, three years old | R. Bryant, Alton | 3 00 |
| Lily, calf | H. M. Strong, Rohnerville | 4 00 |
| THOROUGHbred AYRESHIREs—BULLs. | | |
| Scott, three years old | N. Hurlburt, Ferndale | 12 00 |
| Ranger, two years old | N. Hurlburt, Ferndale | 10 00 |
| COWs. | | |
| Mary, three years old | N. Hurlburt, Ferndale | 10 00 |
| Mary, one year old | N. Hurlburt, Ferndale | 8 00 |
| THOROUGHbred HOLSTEINs—BULLs. | | |
| Eldor, three years old | A. Forbes, Eureka | 12 00 |
| William, three years old | G. E. Hanson, Fortuna | 6 00 |
| Strathmore, two years old | A. Forbes, Eureka | 10 00 |
| Strathdome, one year old | A. Forbes, Eureka | 8 00 |
| General Grant, calf | A. Forbes, Eureka | 6 00 |
| Dan, calf | A. Forbes, Eureka | 3 00 |
| COWs. | | |
| Orphan Queen, three years old | A. Forbes, Eureka | 10 00 |
| Rosa Belle, three years old | A. Forbes, Eureka | 5 00 |
| Beauty, two years old | A. Forbes, Eureka | 10 00 |
| Adele, two years old | A. Forbes, Eureka | 5 00 |
| Clampet, one year old | A. Forbes, Eureka | 8 00 |
| Agnes, one year old | A. Forbes, Eureka | 4 00 |
| Flora, calf | George E. Hanson, Fortuna | 6 00 |
| Daisy, calf | A. Forbes, Eureka | 3 00 |
| GRADED HOLSTEINs—BULLs. | | |
| Dick, one year old | A. Forbes, Eureka | 6 00 |
| General Sherman, calf | A. Forbes, Eureka | 4 00 |
| COWs. | | |
| Mabel, three years old | A. Forbes, Eureka | 6 00 |
| Fidie, one year old | A. Forbes, Eureka | 4 00 |
| Fidget, one year old | A. Forbes, Eureka | 2 00 |
| Muley, calf | A. Forbes, Eureka | 4 00 |
| THOROUGHbred HEREFORDs—BULLs. | | |
| What's Wanted, three years old | J. A. Russ, Ferndale | 12 00 |
| Morton, one year old | J. A. Russ, Ferndale | 8 00 |
| Harrison, one year old | J. A. Russ, Ferndale | 4 00 |
| Signal, calf | J. A. Russ, Ferndale | 6 00 |
| Defiance, calf | J. A. Russ, Ferndale | 3 00 |
| COWs. | | |
| Murial, three years old | J. A. Russ, Ferndale | 10 00 |
| Pretty Face, three years old | J. A. Russ, Ferndale | 5 00 |
| Queen of Sunol, two years old | J. A. Russ, Ferndale | 10 00 |
| Princess, two years old | J. A. Russ, Ferndale | 5 00 |
| Hazel, one year old | J. A. Russ, Ferndale | 8 00 |
| Sabbe, one year old | J. A. Russ, Ferndale | 4 00 |
| Edith, calf | J. A. Russ, Ferndale | 6 00 |
| GRADED HEREFORDs—BULLs. | | |
| Rob Roy, three years old | James Worthington, Waddington | 8 00 |
| Bob I, calf | James Worthington, Waddington | 6 00 |
| COWs. | | |
| Ring Tail, three years old | J. W. Kemp, Waddington | 6 00 |
| Maud Roy, one year old | James Worthington, Waddington | 4 00 |
| Heifer calf | John Reynolds, Waddington | 4 00 |
| Heifer calf | John Reynolds, Waddington | 2 00 |
| SHEEP. | | |
| Prince, Cotswold ram | F. Knight, Table Bluff | 10 00 |
| Tom, Merino ram | T. J. Knight, Table Bluff | 10 00 |

LIVE STOCK DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|------------------------------------|-------------------------------------|--------|
| Tom, Merino ram | T. J. Knight, Table Bluff | \$5 00 |
| Sam, Shropshire ram | Willie Russ, Ferndale | 10 00 |
| Jim, Shropshire ram | Willie Russ, Ferndale | 5 00 |
| Five Cotswold ewes | J. W. Kemp, Waddington | 10 00 |
| Five Cotswold ewes | F. Knight, Table Bluff | 5 00 |
| Five Merino ewes | T. J. Knight, Table Bluff | 10 00 |
| Five Shropshire ewes | F. Knight, Table Bluff | 10 00 |
| SWINE. | | |
| Jersey Red boar | A. Forbes, Eureka | 5 00 |
| Jersey Red boar | A. Forbes, Eureka | 2 50 |
| Dick, Berkshire boar | G. E. Hanson, Fortuna | 5 00 |
| Bill, Berkshire boar | Willie Russ, Ferndale | 2 50 |
| Berkshire sow | Willie Russ, Ferndale | 5 00 |
| Berkshire sow | Willie Russ, Ferndale | 2 50 |
| Essex sow | G. E. Hanson, Fortuna | 5 00 |
| Boar of any breed | J. W. Kemp, Waddington | 5 00 |
| POULTRY. | | |
| Light Brahma chickens | Sam Palmer, Hydesville | 2 00 |
| Brown Leghorn chickens | Sam Palmer, Hydesville | 2 00 |
| Brown Leghorn chickens | M. Robertson, Alton | 1 00 |
| White Leghorn chickens | Sam Palmer, Hydesville | 2 00 |
| White Leghorn chickens | M. Robertson, Alton | 1 00 |
| Houdan chickens | Sam Palmer, Hydesville | 2 00 |
| Plymouth Rock chickens | Sam Palmer, Hydesville | 2 00 |
| Plymouth Rock chickens | Joseph Hendricks, Rohnerville | 1 00 |
| Langshan chickens | M. Robertson, Alton | 2 00 |
| Wyandotte chickens | M. Robertson, Alton | 2 00 |
| One pair geese | Sam Palmer, Hydesville | 2 00 |
| One pair geese | Sam Palmer, Hydesville | 1 00 |
| One pair ducks | M. Robertson, Alton | 2 00 |
| One pair ducks | M. Robertson, Alton | 1 00 |
| One pair turkeys | Sam Palmer, Hydesville | 2 00 |
| One pair turkeys | L. E. Langdon, Hydesville | 1 00 |
| One pair Pekin ducks | J. Kemp, Waddington | 2 00 |
| One pair White Muscovy ducks | M. Robertson, Alton | 2 00 |
| One pair Mallard ducks | M. Robertson, Alton | 2 00 |
| One pair Mallard ducks | M. Robertson, Alton | 1 00 |
| Exhibit of chickens | Sam Palmer, Hydesville | 6 00 |
| Exhibit of chickens | M. Robertson, Alton | 3 00 |

MECHANICAL DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|--------------------------------------|--------|
| Best harrow | O. Hamill, Rohnerville | \$5 00 |
| Best horseshoes (light) | C. E. Gallup, Rohnerville | 5 00 |
| Best horseshoes (heavy) | C. E. Gallup, Rohnerville | 5 00 |
| Best display of soap | Jameson & Cochran, Eureka | 5 00 |
| Best pair buckskin gloves | Mrs. Mary Reynolds, Waddington | 2 00 |
| Best pair calf boots | E. White, Rohnerville | 3 00 |
| Best display of brick | J. N. Lentell, Eureka | 5 00 |
| Best spring mattress | Dungan & Hanson, Ferndale | 5 00 |
| Best lounge | Dungan & Hanson, Ferndale | 5 00 |
| Best display of furniture | Dungan & Hanson, Ferndale | 15 00 |

AGRICULTURAL DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|-------------------------------------|--------|
| Best five pounds butter..... | Mrs. E. Anderson, Waddington... | \$2 00 |
| Best fifty pounds butter, three months old. | Mrs. E. Anderson, Waddington... | 5 00 |
| Best bushel wheat..... | J. P. Godfrey, Hydesville..... | 4 00 |
| Best bushel barley..... | Will Dinsmore, Alton..... | 4 00 |
| Second best..... | L. E. Langdon, Hydesville..... | 2 00 |
| Best bushel oats..... | Will Dinsmore, Alton..... | 4 00 |
| Second best..... | Adam Simonds, Grizzly Bluff..... | 2 00 |
| Best bushel sweet peas..... | Horace Drake, Rohnerville..... | 4 00 |
| Second best..... | Ed. East, Rohnerville..... | 2 00 |
| Best bushel blackeye peas..... | L. E. Langdon, Hydesville..... | 4 00 |
| Second best..... | Will Dinsmore, Alton..... | 2 00 |
| Best bushel Niles peas..... | Ed. East, Rohnerville..... | 4 00 |
| Second best..... | Charles Kaussen, Alton..... | 2 00 |
| Best bushel beans..... | Sam Palmer, Hydesville..... | 4 00 |
| Second best..... | James Worthington, Waddington..... | 2 00 |
| Best two sheaves wheat..... | L. E. Langdon, Hydesville..... | 2 00 |
| Second best..... | J. P. Godfrey, Hydesville..... | 1 00 |
| Best two sheaves barley..... | A. T. Baker, Grizzly Bluff..... | 2 00 |
| Second best..... | A. T. Baker, Grizzly Bluff..... | 1 00 |
| Best six stalks corn..... | George A. Byard, Fortuna..... | 2 00 |
| Second best..... | A. T. Baker, Grizzly Bluff..... | 1 00 |
| Best half dozen table beets..... | E. Anderson, Waddington..... | 2 00 |
| Second best..... | A. Reynolds, Waddington..... | 1 00 |
| Best half dozen stock beets..... | James Worthington, Waddington..... | 2 00 |
| Second best..... | James Worthington, Waddington..... | 1 00 |
| Best three cabbages..... | B. F. Dunlap, Ferndale..... | 2 00 |
| Second best..... | Charles Kaussen, Alton..... | 1 00 |
| Best three squashes..... | Oscar R. Walker, Rohnerville..... | 2 00 |
| Second best..... | W. B. Dobbryn, Rohnerville..... | 1 00 |
| Best three pumpkins..... | Frank Oliver, Alton..... | 2 00 |
| Second best..... | A. T. Baker, Grizzly Bluff..... | 1 00 |
| Best display of cucumbers..... | Peter Houck, Alton..... | 2 00 |
| Second best..... | J. W. Fell, Fortuna..... | 1 00 |
| Best salsify..... | Mrs. T. L. Kelley, Rohnerville..... | 2 00 |
| Best cauliflower..... | Mrs. A. F. Buttle, Ferndale..... | 2 00 |
| Best tomatoes..... | R. A. Lutman, Hydesville..... | 2 00 |
| Second best..... | R. Cloney, Hydesville..... | 1 00 |
| Best turnips, three varieties..... | Oscar Walker, Rohnerville..... | 2 00 |
| Second best..... | Mrs. T. L. Kelley, Rohnerville..... | 1 00 |
| Best bushel potatoes..... | W. B. Dobbryn, Rohnerville..... | 3 00 |
| Second best..... | A. W. Mock, Hydesville..... | 1 50 |
| Best display of potatoes..... | E. J. Barksdale, Swanger..... | 4 00 |
| Second best..... | A. T. Baker, Grizzly Bluff..... | 2 00 |

HORTICULTURAL DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|--------------------------------------|---------|
| FRESH FRUITS. | | |
| <i>West of 124th Meridian.</i> | | |
| Best display of fruits..... | Peter Houck, Alton..... | \$15 00 |
| Best five varieties apples..... | W. B. Dobbryn, Rohnerville..... | 12 00 |
| Second best..... | John Palmer, Hydesville..... | 6 00 |
| Best display of pears..... | George A. Byard, Fortuna..... | 3 00 |
| Best display of quinces..... | George C. Barber, Grizzly Bluff..... | 3 00 |
| Best display of grapes..... | ..... | 3 00 |
| Best display of prunes..... | A. P. Compton, Rohnerville..... | 3 00 |
| Best display of plums..... | George A. Byard, Fortuna..... | 3 00 |
| Best display of peaches..... | ..... | 5 00 |
| <i>East of 124th Meridian.</i> | | |
| Best display of fruits..... | J. J. Newman, Camp Grant..... | 15 00 |
| Best five varieties apples..... | J. J. Newman, Camp Grant..... | 12 00 |
| Best display pears..... | J. J. Newman, Camp Grant..... | 3 00 |

HORTICULTURAL DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|------------------------------------|-----------------------------------|--------|
| Best display of grapes | J. J. Newman, Camp Grant | \$3 00 |
| Best display of prunes | J. J. Newman, Camp Grant | 3 00 |
| Best display of peaches | J. J. Newman, Camp Grant | 5 00 |
| DRIED FRUITS. | | |
| Best apples | G. C. Barber, Grizzly Bluff | 2 00 |
| Second best | A. P. Compton, Rohnerville | 1 00 |
| Best plums | A. P. Compton, Rohnerville | 2 00 |
| Second best | G. C. Barber, Grizzly Bluff | 1 00 |
| Best prunes | A. P. Compton, Rohnerville | 2 00 |
| Second best | G. C. Barber, Grizzly Bluff | 1 00 |
| Best pears | A. P. Compton, Rohnerville | 2 00 |
| Second best | G. C. Barber, Grizzly Bluff | 1 00 |
| Best peaches | A. P. Compton, Rohnerville | 2 00 |
| Second best | G. C. Barber, Grizzly Bluff | 1 00 |
| Best corn | G. C. Barber, Grizzly Bluff | 2 00 |
| Second best | A. P. Compton, Rohnerville | 1 00 |
| Best display of dried fruits | A. P. Compton, Rohnerville | 5 00 |
| Second best | G. C. Barber, Grizzly Bluff | 2 50 |

DOMESTIC DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|--|--------|
| JAMS, JELLIES, AND PRESERVES. | | |
| Best plum jam | Mrs. M. L. Case, Rohnerville | \$2 00 |
| Second best | Mrs. Chas. Brewer, Rohnerville | 1 00 |
| Best currant jam | Mrs. B. H. McNeil, Rohnerville | 2 00 |
| Second best | Mrs. T. L. Kelley, Rohnerville | 1 00 |
| Best raspberry jam | Mrs. B. H. McNeil, Rohnerville | 2 00 |
| Second best | Mrs. Chas. Brewer, Rohnerville | 1 00 |
| Best blackberry jam | Mrs. G. C. Barber, Grizzly Bluff | 2 00 |
| Second best | Mrs. Chas. Brewer, Rohnerville | 1 00 |
| Best currant jelly | Mrs. E. S. Phillips, Rohnerville | 2 00 |
| Second best | Mrs. M. L. Case, Rohnerville | 1 00 |
| Best apple jelly | Mrs. M. L. Case, Rohnerville | 2 00 |
| Second best | Mrs. E. Anderson, Waddington | 1 00 |
| Best raspberry jelly | Mrs. B. H. McNeil, Rohnerville | 2 00 |
| Second best | Mrs. G. Underwood, Rohnerville | 1 00 |
| Best crabapple jelly | Mrs. A. Worthington, Waddington | 2 00 |
| Second best | Mrs. E. Anderson, Waddington | 1 00 |
| Best blackberry jelly | Mrs. G. C. Barber, Grizzly Bluff | 2 00 |
| Second best | Mrs. M. L. Case, Rohnerville | 1 00 |
| Best peach jelly | Mrs. A. T. Baker, Grizzly Bluff | 2 00 |
| Second best | Mrs. G. Underwood, Rohnerville | 1 00 |
| Best quince jelly | Mrs. A. Worthington, Waddington | 2 00 |
| Second best | Mrs. N. N. Brown, Eureka | 1 00 |
| Best plum jelly | Mrs. Oscar Walker, Rohnerville | 2 00 |
| Second best | Mrs. Chas. Brewer, Rohnerville | 1 00 |
| Best watermelon preserves | Mrs. G. C. Barber, Grizzly Bluff | 2 00 |
| Second best | Mrs. Chas. Brewer, Rohnerville | 1 00 |
| Best orange preserves | Mrs. G. C. Barber, Grizzly Bluff | 2 00 |
| Second best | Mrs. Chas. Brewer, Rohnerville | 1 00 |
| Best tomato preserves | Mrs. Chas. Brewer, Rohnerville | 2 00 |
| Second best | Mrs. B. H. McNeil, Rohnerville | 1 00 |
| Best currant preserves | Mrs. B. H. McNeil, Rohnerville | 2 00 |
| Second best | Mrs. Chas. Brewer, Rohnerville | 1 00 |
| Best apricot preserves | Mrs. B. H. McNeil, Rohnerville | 2 00 |
| Second best | Mrs. Chas. Brewer, Rohnerville | 1 00 |
| Best crabapple preserves | Mrs. Chas. Brewer, Rohnerville | 2 00 |
| Second best | Mrs. B. H. McNeil, Rohnerville | 1 00 |
| Best pear preserves | Mrs. A. T. Baker, Grizzly Bluff | 2 00 |
| Second best | Mrs. M. L. Case, Rohnerville | 1 00 |
| Best blackberry preserves | Mrs. M. E. Manon, Rohnerville | 2 00 |
| Second best | Mrs. B. H. McNeil, Rohnerville | 1 00 |
| Best quince preserves | Mrs. B. H. McNeil, Rohnerville | 2 00 |

DOMESTIC DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|-----------------------------------|--------|
| Second best quince preserves | Mrs. Chas. Brewer, Rohnerville. | \$1 00 |
| Best plum preserves | Mrs. A. T. Baker, Grizzly Bluff | 2 00 |
| Second best | Mrs. B. H. McNeil, Rohnerville. | 1 00 |
| Best cherry preserves | Mrs. B. H. McNeil, Rohnerville. | 2 00 |
| Second best | Mrs. Chas. Brewer, Rohnerville. | 1 00 |
| Best apple preserves | Mrs. M. E. Manon, Rohnerville. | 2 00 |
| Second best | Mrs. B. H. McNeil, Rohnerville. | 1 00 |
| Best peach preserves | Mrs. B. H. McNeil, Rohnerville. | 2 00 |
| Second best | Mrs. M. E. Manon, Rohnerville. | 1 00 |
| Best display of preserves | Mrs. Chas. Brewer, Rohnerville. | 5 00 |
| Second best | Mrs. B. H. McNeil, Rohnerville. | 2 50 |
| Best display of jams | Mrs. A. T. Baker, Rohnerville. | 5 00 |
| Second best | Mrs. Chas. Brewer, Rohnerville. | 2 50 |
| Best display of jellies | Mrs. G. Underwood, Rohnerville. | 5 00 |
| Second best | Mrs. B. H. McNeil, Rohnerville. | 2 50 |
| Best fresh canned fruit | Mrs. J. R. Jordan, Rohnerville. | 8 00 |
| Second best | Mrs. R. A. Lutman, Hydesville. | 4 00 |
| BREAD AND PASTRY. | | |
| Best corn bread | Mrs. R. Branstetter, Ferndale | 2 00 |
| Best rye bread | Mrs. E. Hatch, Rohnerville. | 2 00 |
| Second best | Mrs. B. H. McNeil, Rohnerville. | 1 00 |
| Best wheat bread | Mrs. O. K. Nason, Rohnerville. | 2 00 |
| Second best | Mrs. J. A. Smith, Rohnerville. | 1 00 |
| Best pan of biscuits | Mrs. R. Branstetter, Ferndale | 2 00 |
| Second best | Mrs. Joe Hull, Rohnerville. | 1 00 |
| Best display of pastry | Mrs. A. T. Baker, Grizzly Bluff | 5 00 |
| Second best | Miss Millie Packard, Rohnerville. | 2 50 |
| FLOWERS. | | |
| Best display, fifteen varieties | Mrs. Martha Felt, Rohnerville | 10 00 |
| Display, fifteen varieties | Mrs. Charles Luther, Alton | 5 00 |
| Display, ten varieties | L. E. Langdon, Hydesville | 3 00 |
| Display, five varieties | Mrs. T. L. Kelley, Rohnerville | 2 00 |
| Best bouquet | Mrs. Albert Etter, Ferndale | 3 00 |
| Second best | Mrs. H. Matthews, Eureka | 1 50 |
| Third best | Mrs. W. Etter, Ferndale | 1 00 |

FANCY WORK DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|------------------------------------|--------|
| HOUSEHOLD FABRICS, CROCHET WORK, ETC. | | |
| Best bedspread, knit | Mrs. Frank McGraw, Eureka | \$4 00 |
| Second best | Mrs. James Morrison, Eureka | 2 00 |
| Best bedspread, other than knit | Ladies' Aid Society, Ferndale | 2 00 |
| Second best | Mrs. A. E. Chapman, Fortuna | 1 00 |
| Best rag carpet | Mrs. W. Underwood, Rohnerville. | 5 00 |
| Second best | Mrs. W. Underwood, Rohnerville. | 2 00 |
| Best mittens, ladies', knit | Mrs. T. Howard, Eureka | 1 00 |
| Second best | Mrs. Susie Davis, Eureka | 50 |
| Best pillow sham, outline | Mrs. H. C. Baxter, McDermott's Pt. | 2 00 |
| Second best | Miss Lottie Riddell, Eureka | 1 00 |
| Best quilt patchwork, silk | Miss Lizzie Ayres, Eureka | 4 00 |
| Second best | Mrs. J. Cunningham, Ferndale | 2 00 |
| Best quilt patchwork, cotton | Miss Esther Perry, Fortuna | 4 00 |
| Second best | Mrs. H. Mathews, Ferndale | 2 00 |
| Best quilt patchwork, woolen | Miss Ellen Galloway, Ferndale | 4 00 |
| Best crazy quilt | Mrs. J. M. Vance, Eureka | 4 00 |
| Second best | Mrs. J. M. Vance, Eureka | 2 00 |
| Best rug, braided | Mrs. M. J. Lowe, Ferndale | 3 00 |
| Best rug, yarn or worsted | Mrs. Hector McKinnon, Eureka | 3 00 |
| Second best | Mrs. T. Blackburn, Eureka | 1 50 |
| Best slipper case | Miss E. Galloway, Ferndale | 3 00 |
| Second best | Miss Mary Gordon, Rohnerville | 1 50 |
| Best sewing, hand | Mrs. M. T. Lowe, Ferndale | 2 00 |

FANCY WORK DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|------------------------------------|--------------------------------------|--------|
| Second best hand sewing..... | Mrs. M. T. Baker, Grizzly Bluff..... | \$1 00 |
| Best sewing, machine..... | Mrs. C. F. Roberts, Eureka..... | 2 00 |
| Second best..... | Mrs. C. F. Roberts, Eureka..... | 1 00 |
| Best sofa pillow, chenille..... | Mrs. D. McGregor, Ferndale..... | 2 00 |
| Second best..... | Miss Mary Gordon, Rohnerville..... | 1 00 |
| Best socks, gents', hand-knit..... | Mrs. P. F. Hart, Ferndale..... | 1 00 |
| Second best..... | Mrs. George Graham, Eureka..... | 50 |
| Best socks, gents', woolen..... | Mrs. A. F. Baker, Grizzly Bluff..... | 1 00 |
| Best skirt, ladies', knit..... | Mrs. C. F. Roberts, Eureka..... | 4 00 |
| Second best..... | Mrs. Mary S. Davis, Rohnerville..... | 2 00 |
| Best skirt, child's, knit..... | Mrs. P. F. Hart, Ferndale..... | 2 00 |
| Best undervest, lady's..... | Mrs. C. F. Roberts, Eureka..... | 2 00 |
| Second best..... | Mrs. E. B. Jackson, Eureka..... | 1 00 |
| Best undervest, child's..... | Miss Bearding, Ferndale..... | 1 00 |
| Best applique work..... | Mrs. J. Lowenthal, Eureka..... | 2 00 |
| Second best..... | Mrs. J. M. Vance, Eureka..... | 1 00 |
| Best bead work..... | Mrs. J. Chamberlain, Fortuna..... | 1 00 |
| Second best..... | Miss Mary Gordon, Rohnerville..... | 50 |
| Best broomholder..... | Mrs. J. Lowenthal, Eureka..... | 1 00 |
| Second best..... | Mrs. J. M. Vance, Eureka..... | 50 |
| Best banner..... | Mrs. J. M. Vance, Eureka..... | 2 00 |
| Second best..... | Mrs. D. McGregor, Ferndale..... | 1 00 |
| Best braiding..... | Miss Mary Gordon, Rohnerville..... | 1 00 |
| Best braid work, novelty..... | Mrs. D. J. Foley, Eureka..... | 1 00 |
| Best embroidery, outline..... | Miss Lottie Riddell, Eureka..... | 2 00 |
| Second best..... | Miss Mamie Lowe, Ferndale..... | 1 00 |
| Best embroidery, ribbon..... | Miss Maxwell, Elk River..... | 2 00 |
| Second best..... | Mrs. J. M. Vance, Eureka..... | 1 00 |
| Best embroidery, chenille..... | Mrs. J. Lowenthal, Eureka..... | 2 00 |
| Second best..... | Mrs. J. M. Vance, Eureka..... | 1 00 |
| Best embroidery, arrasene..... | Mrs. E. B. Jackson, Arcata..... | 2 00 |
| Second best..... | Miss Lizzie Ayres, Eureka..... | 1 00 |
| Best embroidery, kensington..... | Miss Mary Phares, Eureka..... | 2 00 |
| Second best..... | Mrs. George Graham, Eureka..... | 1 00 |
| Best embroidery, silk..... | Mrs. Ellen Galloway, Ferndale..... | 2 00 |
| Second best..... | Mrs. J. M. Vance, Eureka..... | 1 00 |
| Best embroidery, cotton..... | Mrs. Ellen Galloway, Ferndale..... | 1 00 |
| Second best..... | Mrs. Ellen Galloway, Ferndale..... | 50 |
| Best embroidery, Mexican..... | Mrs. Annie Roberts, Eureka..... | 2 00 |
| Second best..... | Miss Sadie De Haven, Eureka..... | 1 00 |
| Best embroidery, worsted..... | Mrs. Ellen Galloway, Ferndale..... | 2 00 |
| Best embroidery, Roman..... | Miss Lucy Kendall, Arcata..... | 2 00 |
| Second best..... | Mrs. J. M. Vance, Eureka..... | 1 00 |
| Best embroidery, Queen Anne..... | Mrs. J. M. Vance, Eureka..... | 2 00 |
| Second best..... | Mrs. J. M. Vance, Eureka..... | 1 00 |
| Best handkerchief case..... | Mrs. J. Lowenthal, Eureka..... | 1 00 |
| Second best..... | Mrs. J. M. Vance, Eureka..... | 50 |
| Best lamp screen..... | Mrs. J. Lowenthal, Eureka..... | 2 00 |
| Best lace, knit..... | Mrs. P. F. Hart, Eureka..... | 1 00 |
| Second best..... | Mrs. P. F. Hart, Eureka..... | 50 |
| Best lace, point..... | Mrs. J. M. Vance, Eureka..... | 3 00 |
| Second best..... | Miss Lizzie Ayres, Eureka..... | 1 50 |
| Best lace, crochet..... | Miss Lucy Kendall, Arcata..... | 1 00 |
| Second best..... | Miss C. B. Ray, Arcata..... | 50 |
| Best parlor drape..... | Mrs. J. M. Vance, Eureka..... | 2 00 |
| Second best..... | Miss Mary Gordon, Rohnerville..... | 1 00 |
| Best parlor bag embroidery..... | Mrs. J. Lowenthal, Eureka..... | 1 00 |
| Second best..... | Miss Mary Gordon, Rohnerville..... | 50 |
| Best photograph holder..... | Mrs. J. Lowenthal, Eureka..... | 2 00 |
| Second best..... | Mrs. J. M. Vance, Eureka..... | 1 00 |
| Best rickrack..... | Mrs. Mary Bohall, Eureka..... | 1 00 |
| Second best..... | Mrs. C. B. Ray, Arcata..... | 50 |
| Best robe, carriage, crochet..... | Mrs. J. Lowenthal, Eureka..... | 4 00 |
| Second best..... | Miss Bearding, Ferndale..... | 2 00 |
| Best robe, child's, crochet..... | Miss Bearding, Ferndale..... | 3 00 |
| Second best..... | Miss H. H. Buhner, Eureka..... | 1 50 |
| Best skirt, lady's, crochet..... | Mrs. J. Hull, Rohnerville..... | 4 00 |
| Second best..... | Miss Lizzie Ayres, Eureka..... | 2 00 |
| Best skirt, child's, crochet..... | Mrs. Ed. Haight, Rohnerville..... | 2 00 |
| Second best..... | Mrs. F. Wood, Eureka..... | 1 00 |

FANCY WORK DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------------|---|--------|
| Best scrap bag, fancy..... | Mrs. J. Lowenthal, Eureka..... | \$1 00 |
| Second best..... | Mrs. J. M. Vance, Eureka..... | 50 |
| Best sacque, child's, crochet..... | Ladies' Aid Society, Grizzly Bluff..... | 1 00 |
| Second best..... | Mrs. G. C. Barber, Grizzly Bluff..... | 50 |
| Best splasher..... | Miss Lottie Riddell, Eureka..... | 2 00 |
| Second best..... | Miss Lottie Riddell, Eureka..... | 1 00 |
| Best tatting..... | Miss Flora Poinsett, Eureka..... | 1 00 |
| Best tidy, worsted, crochet..... | Ladies' Aid Society, Grizzly Bluff..... | 50 |
| Best tidy, knit..... | Mrs. Chas. Giacomini, Ferndale..... | 1 00 |
| Best table cover..... | Mrs. C. B. Ray, Arcata..... | 2 00 |
| Second best..... | Mrs. Jennie Rogers, Hydesville..... | 1 00 |
| Best table scarf..... | Mrs. J. M. Vance, Eureka..... | 2 00 |
| Second best..... | Mrs. E. Pape, Eureka..... | 1 00 |
| Best toilet set, on canvas..... | Mrs. E. J. Ruddock, Eureka..... | 2 00 |
| Best toilet set, outline..... | Mrs. J. M. Vance, Eureka..... | 2 00 |
| Best display of fancy articles..... | Mrs. J. M. Vance, Eureka..... | 10 00 |
| Second best..... | Mrs. J. Lowenthal, Eureka..... | 5 00 |

PAINTING, ETC.

| | | |
|---|---------------------------------------|------|
| Best oil painting, landscape..... | Miss Annie Olmstead, Eureka..... | 5 00 |
| Second best..... | Miss Annie Roberts, Eureka..... | 2 50 |
| Best oil painting, marine..... | Miss Annie Olmstead, Eureka..... | 5 00 |
| Second best..... | Mrs. E. J. Mullen, Eureka..... | 2 50 |
| Best oil painting, flowers..... | Miss Annie Olmstead, Eureka..... | 5 00 |
| Second best..... | Mrs. J. Lowenthal, Eureka..... | 2 50 |
| Best kensington painting..... | Mrs. J. Lowenthal, Eureka..... | 3 00 |
| Second best..... | Mrs. C. J. Stone, Rohnerville..... | 1 50 |
| Best china painting..... | Mrs. C. F. Roberts, Eureka..... | 3 00 |
| Second best..... | Mrs. C. F. Roberts, Eureka..... | 1 50 |
| Best luster painting..... | Mrs. J. M. Vance, Eureka..... | 3 00 |
| Second best..... | Mrs. Kendall, Ferndale..... | 1 50 |
| Best water color flowers..... | Mrs. Kendall, Ferndale..... | 3 00 |
| Best portrait, water color..... | Mrs. Kendall, Ferndale..... | 1 50 |
| Best crayon portrait..... | Miss Lizzie Ayres, Eureka..... | 3 00 |
| Second best..... | Mrs. C. F. Roberts, Eureka..... | 1 50 |
| Best crayon drawing, landscape..... | Mrs. C. F. Roberts, Eureka..... | 4 00 |
| Second best..... | Mrs. C. F. Roberts, Eureka..... | 2 00 |
| Best pencil drawing..... | Miss A. Olmstead, Eureka..... | 4 00 |
| Second best..... | Miss Lizzie Ayres, Eureka..... | 2 00 |
| Best specimen of penmanship..... | J. M. Bugbee, Grizzly Bluff..... | 4 00 |
| Second best..... | Mrs. H. Matthews, Eureka..... | 2 00 |
| Best automatic penmanship..... | W. H. Crawford, Grizzly Bluff..... | 4 00 |
| Best class collection of entomological specimens..... | Harry Swanger, Rohnerville..... | 5 00 |
| Second best..... | Pacific School District, Swanger..... | 2 50 |

JUVENILE DEPARTMENT.

(Boy or Miss under 14 years.)

| | | |
|---|------------------------------------|------|
| Best patchwork..... | Miss M. Dunlap, Ferndale..... | 1 00 |
| Second best..... | Miss Mary Kelley, Rohnerville..... | 50 |
| Best patched garment..... | Miss Mary Kelley, Rohnerville..... | 1 00 |
| Second best..... | Miss Mary Kelley, Rohnerville..... | 50 |
| Best hand sewing..... | Sadie De Haven, Eureka..... | 1 00 |
| Second best..... | Mary Kelley, Rohnerville..... | 50 |
| Best crochet work..... | M. Dunlap, Ferndale..... | 1 00 |
| Second best..... | Annie Newman, Camp Grant..... | 50 |
| Best outline work..... | Lottie Brown, Eureka..... | 1 00 |
| Second best..... | Elma Haight, Rohnerville..... | 50 |
| Best pencil drawing..... | Arthur Drucker, Rohnerville..... | 2 00 |
| Second best..... | Mollie Palmer, Hydesville..... | 1 00 |
| Best map drawing..... | Mattie Foss, Swanger..... | 2 00 |
| Second best..... | Harry Foss, Swanger..... | 1 00 |
| Best penmanship..... | Miss M. Dunlap, Ferndale..... | 4 00 |
| Second best..... | Miss A. M. Fulmore, Ferndale..... | 2 00 |
| Special drawing of twenty pieces, offered by Secretary..... | Mrs. Kendall, Ferndale..... | 5 00 |

SPECIAL PREMIUMS.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------|-------------------------------------|--------|
| Display of onions..... | E. A. Hamner, Waddington | \$2 00 |
| Display of onions..... | John Reynolds, Waddington | 1 00 |
| Bacon | Peter Houck, Alton | 4 00 |
| Ham | Peter Houck, Alton | 4 00 |
| Lard | W. S. Lamb, Rohnerville | 4 00 |
| Canary birds | Miss Mary Kelley, Rohnerville | 5 00 |
| Canary birds | Mrs. Hendricks, Rohnerville | 2 50 |
| Pair White Muscovy ducks..... | Matthew Robertson, Alton | 2 00 |
| Pair Mallard ducks..... | Matthew Robertson, Alton | 2 00 |
| Pair Pekin ducks..... | J. Kemp, Waddington | 2 00 |

SPEED PROGRAMME.

TUESDAY, SEPTEMBER 22, 1891.

RACE No. 1—RUNNING.

Free for all saddle horses with no record. Purse, \$50. One half mile.

| | |
|---|---|
| Willie Johnson's b. m. Nellie D, by Arthur H..... | 1 |
| Alonzo Knight's Eola..... | 2 |
| Jas. Goff's b. g. Lanini, by Arthur H..... | 3 |

Time—0:52½.

RACE No. 2—TROTTING.

2:40 Class. Purse, \$200. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| A. Lawrence's b. m. Bessie, by Bonner..... | 1 | 1 | 1 |
| Henry Cooper's ch. m. Mary Hayward, by Poscora Hayward..... | 2 | 2 | 2 |
| C. E. Parkman's b. g. Tom, by Tom Benton..... | 3 | 3 | 3 |
| Chas. Landergen's g. s. Dandy Hayward, by Poscora Hayward..... | 4 | 4 | 4 |

Time—2:48; 2:47; 2:48½.

RACE No. 3—TROTTING.

3:00 Class. Purse, \$150. Mile heats, best three in five.

| | | | | |
|--|------|---|---|---|
| R. W. Roberts' ch. m. Biddy, by Poscora Hayward..... | 1 | 2 | 1 | 1 |
| N. Groton's s. m. Belle Steinway, by Steinway..... | 2 | 1 | 2 | 2 |
| Dr. Ring's b. m. Tolah..... | 5 | 5 | 3 | 3 |
| Young's g. m. One Eye, by Poscora Hayward..... | 3 | 4 | 5 | 4 |
| Wm. Dinsmore's b. m. Mabel D, by Grand Moor..... | 4 | 3 | 4 | 5 |
| H. B. Hitching's Major, by Ethan Allen..... | dis. | | | |

Time—2:52½; 2:48½; 2:51½; 2:48½.

RACE No. 4—TROTTING.

For yearlings. Owners to drive. Purse, \$200; entrance \$25, to be added to purse. One mile.

| | |
|---|---|
| Robert Noble's Iora, by Ira..... | 1 |
| Wm. Dinsmore's Lady Grand, by Grand Moor..... | 2 |
| L. Feigenbaum's Sadie Moor, by Poscora Hayward..... | 3 |
| Nate Houck's Dock, by Grand Moor..... | 4 |
| A. C. Roussin's Josephine, by Grand Moor..... | 5 |

Time—3:08½.

RACE No. 5—TROTTING.

Yearling Colt Stake. Hogoboom's Native Son and Dr. Felt's Ira colt barred. Professionals not allowed to drive. Entrance, \$25. One mile.

| | |
|---|---|
| Robert Noble's Iora, by Ira..... | 1 |
| Benjamin Arthur's Arthur Hayward, by Poscora Hayward..... | 2 |
| J. S. Eby's Gold Coin, by Gold Rose..... | 3 |
| Will Perrott's Annie Rooney, by Waldstein..... | 4 |
| Patrick Quinn's P. B. Patchen, by Patchen..... | 5 |
| Allen..... | 6 |
| A. C. Roussin's Linda, by Grand Moor..... | 7 |

Time—3:07½.

WEDNESDAY, SEPTEMBER 23, 1891.

RACE No. 6—RUNNING.

Free for all. Purse, \$200. Three quarters of a mile and repeat.

| | | |
|---|------|---|
| John Bow's Farewell, by Nimbus..... | 1 | 1 |
| G. E. Smith's Walter H. Overton, by Joe Hooker..... | 2 | 2 |
| Patrick O'Leary's S B, by Sampson..... | dis. | |

Time—1:28½; 1:24½.

RACE No. 7—TROTTING.

For three-year olds and under. Purse, \$200. Mile heats, best three in five.

| | | | | | |
|---|---|---|---|---|---|
| A. C. Roussin's Desdemona, by Grand Moor..... | 2 | 2 | 1 | 1 | 1 |
| James Livingston's Ben Moor, by Grand Moor..... | 1 | 1 | 2 | 2 | 2 |

Time—3:00; 2:59½; 2:50; 2:50½; 2:54½.

RACE No. 8—RUNNING.

Free for all. Purse, \$50. One quarter of a mile and repeat.

| | | |
|---|---|---|
| Will Clark's Rondo..... | 1 | 1 |
| Henry Rohner's Tommy Nimbus, by Nimbus..... | 2 | 3 |
| G. E. Smith's Stoneman, by Kirby Smith..... | 3 | 2 |
| A. Lawrence's Monte..... | 4 | 4 |

Time—0:23½; 0:24.

THURSDAY, SEPTEMBER 24, 1891.

RACE No. 9—TROTTING.

For two-year olds. Purse, \$200. Mile heats, best two in three.

| | | |
|--|---|---|
| Dr. Gross' Mustapha, by Guy Wilkes..... | 1 | 1 |
| N. Groton's Dignus, by Antevolo..... | 2 | 2 |
| Frank Miser's Why Not, by Waldstein..... | 3 | 3 |

Time—2:49½; 2:47.

RACE No. 10—TROTTING.

For named horses. Purse, \$300. Mile heats, best three in five.

| | | | | | |
|---|---|---|---|---|---|
| S. Turner's Myrtle T, by Grand Moor..... | 2 | 1 | 1 | 2 | 1 |
| Robert Noble's Los Angeles, by Poscora Hayward..... | 1 | 2 | 2 | 1 | 2 |

Time—2:42½; 2:34; 2:37; 2:35; 2:38½.

Los Angeles was set back for breaking in the second and third heats, and those heats awarded to Myrtle T.

RACE No. 11—TROTTING.

For district horses. Owners to drive. Purse, \$40. One mile.

| | |
|---------------------|---|
| Robarts' entry..... | 1 |
| Riley's entry..... | 2 |
| Gallup's entry..... | 3 |
| Briggs' entry..... | 4 |

Time—3:16½.

RACE No. 12—RUNNING.

Free for all. Purse, \$150. Half mile and repeat.

| | | |
|---|---|---|
| G. E. Smith's Stoneman, by Kirby Smith..... | 1 | 1 |
| W. Clark's Arthur H, Jr., by Arthur H..... | 2 | 3 |
| A. Lawrence's Monte..... | 3 | 2 |

Time—0:51½; 0:52½.

FRIDAY, SEPTEMBER 25, 1891.

RACE No. 13—TROTTING.

For yearlings. Purse, \$150. One mile.

| | |
|---|---|
| Robert Noble's Iora, by Ira..... | 1 |
| Benjamin Arthur's Arthur Hayward, by Poscora Hayward..... | 2 |
| William Dinsmore's Lady Grand, by Grand Moor..... | 3 |
| William Perrott's Georgia Waldstein, by Waldstein..... | 4 |
| Dr. J. S. Eby's Gold Coin, by Gold Rose..... | 5 |

RACE No. 14—RUNNING.

Novelty race. Purse, \$300; one quarter of a mile, \$40; one half mile, \$60; three quarters of a mile, \$80; mile, \$120.

| | |
|---|---|
| John Row's Farewell, by Nimbus..... | 1 |
| G. E. Smith's Stoneman, by Kirby Smith..... | 2 |
| G. E. Smith's Overton, by Joe Hooker..... | 0 |
| Patrick O'Leary's Lodi, by Ned Parkman..... | 0 |
| A. Lawrence's Monte..... | 0 |

Time—First quarter, 0:25; half, 0:51; three quarters, 1:21; mile, 1:49.

First quarter, half, and three quarters won by Stoneman. Farewell won the mile.

RACE No. 15—TROTTING.

2:34 Class. Purse, \$300. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| A. Lawrence's Bessie, by Bonner..... | 1 | 1 | 1 |
| Dr. Wallace's Johnny Quill, by Overland..... | 2 | 2 | 2 |

Time—2:37½; 2:39½; 2:38.

RACE No. 16—BICYCLE RACE.

Two miles. Society offered a gold medal.

Frank Littlefield was first, in 7:21½; Bert Roberts, second, in 7:22; Walter Dixon, third, in 7:25½.

RACE No. 17—BICYCLE RACE.

One mile. Society offered a gold medal. W. Dixon given 15 seconds start, and F. Littlefield 10 seconds.

Starters: L. Putnam, W. B. Faucett, G. L. Roberts, Frank Littlefield, and Walter Dixon.

L. Putnam was first, in 2:59½.

RACE No. 18—BICYCLE RACE.

Five miles. Society offered a gold medal.

Starters: W. B. Faucett, G. L. Roberts, J. H. McNamara, and L. Putnam.

Putnam, McNamara, and Roberts collided, and the race was awarded to Faucett. Time not given.

TRANSACTIONS

OF THE

TENTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the Counties of Siskiyou and Trinity.

OFFICERS OF THE ASSOCIATION.

| | |
|-------------------------|------------|
| JAMES VANCE | President. |
| CLARENCE S. SMITH | Secretary. |
| MAURICE RENNER | Treasurer. |

DIRECTORS.

| | |
|------------------------------------|---------------------------|
| JAMES VANCE, 1891 (relected) | Yreka. |
| JOHN V. BROWN, 1891 | Yreka. |
| JOHN T. GRIFFITTS, 1892 | Hay Fork, Trinity County. |
| FRED. A. AUTENRIETH, 1892 | Yreka. |
| JOHN E. HARMON, 1893 | Yreka. |
| JOHN M. WALBRIDGE, 1893 | Yreka. |
| JOHN T. MOXLEY, 1894 | Fort Jones. |
| SAMUEL D. PRATHER, 1894 | Montague. |

REPORT.

YREKA, December 26, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Tenth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

CLARENCE S. SMITH,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|---------------------------------------|----------|--------------------------|
| Balance on hand January 1, 1891 | \$188 50 | |
| Sale of privileges | 300 00 | |
| Entrance to races | 680 00 | |
| Entrance for premiums | 92 50 | |
| Sale of membership tickets | 215 00 | |
| Sale of day tickets | 396 00 | |
| Donations | 210 00 | |
| Pavilion door receipts | 68 00 | |
| Proceeds of State warrant | 2,250 00 | |
| Rent of grounds | 377 00 | |
| | | <u>\$4,725 00</u> |
| Balance—overdraft | | 166 80 |
| | | <u><u>\$4,891 80</u></u> |

Expenditures.

| | |
|---|-------------------|
| Purses | \$2,300 00 |
| Premiums | 1,664 50 |
| Printing and advertising | 214 30 |
| Secretary's salary | 200 00 |
| Other employes' salaries | 196 00 |
| Incidental expenses, viz.: feed, repairs, etc. | 317 00 |
| | <u>\$4,891 80</u> |

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|------------------------------------|---------|
| CLASS I—THOROUGHBREDS. | | |
| Red Cloud | H. B. Ream, Yreka | \$40 00 |
| Katisha | J. Gibson, Trinity | 30 00 |
| CLASS II—GRADED HORSES. | | |
| Phoebe Shaw | E. S. Howard, Oro Fino | 20 00 |
| Hancena | Chas. Howard, Oro Fino | 10 00 |
| CLASS III—HORSES OF ALL WORK—STALLIONS. | | |
| Joe E. | Ned O'Neal, Gazelle | 20 00 |
| Nigger | H. S. Wells, Edgwood | 10 00 |
| MARES. | | |
| Queen | W. J. Bray, Butte Creek | 20 00 |
| Pet and three colts | Geo. Nurse, Yreka | 20 00 |
| CLASS IV—DRAFT HORSES. | | |
| Fashion of Day | M. F. Barnum, Etna Mills | 20 00 |
| Duke | J. Timmons, Etna Mills | 10 00 |
| CLASS V—ROADSTERS. | | |
| Ante-Echo | L. Swan, Yreka | 30 00 |
| Mike | H. B. Ream, Yreka | 10 00 |
| Lucy | N. Fitzpatrick, Edgwood | 20 00 |
| DOUBLE TEAM. | | |
| Dick and Daisy | M. F. Barnum, Etna Mills | 20 00 |
| Frank and Bird | J. H. Wadsworth, Gazelle | 10 00 |
| CLASS VI—STANDARD TROTTERS. | | |
| Wanda | J. M. Walbridge, Yreka | 30 00 |
| CLASS VII—SADDLE HORSES. | | |
| Blackbird | Annie George, Yreka | 10 00 |
| George | Mabel Vance, Yreka | 5 00 |
| CLASS VIII—COLTS. | | |
| Tehama George | M. F. Barnum, Etna Mills | 20 00 |
| Latisha | J. M. Walbridge, Yreka | 20 00 |
| CLASS XIX—JACKS AND MULES. | | |
| Warrior | Matt Fairchilds, Butte Creek | 35 00 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|------------------------------------|----------------------------------|---------|
| CLASS I—THOROUGHBRED CATTLE. | | |
| Lily (Jersey) | Allen Lee, Yreka | \$15 00 |
| Duke of Livermore (Jersey) | H. S. Wells, Edgwood | 25 00 |
| Royal Superior (Holstein) | H. S. Wells, Edgwood | 25 00 |
| Laura 2d (Holstein) | H. S. Wells, Edgwood | 10 00 |
| Modest Girl (Holstein) | H. L. Davis, Little Shasta | 15 00 |
| Gen. Grant (Hereford) | L. Pool, Yreka | 25 00 |
| Charger (Aberdeen-Angus) | S. D. Prather, Montague | 25 00 |
| Rosa's Black Hawk (Galloway) | S. D. Prather, Montague | 25 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------------|---------|
| CLASS II—SWEEPSTAKES. | | |
| Count Mosbrae, best bull of any breed..... | H. L. Davis, Little Shasta | \$25 00 |
| Maud, best cow of any breed..... | H. B. Ream, Yreka | 15 00 |
| Modest Girl, second best cow of any breed..... | H. L. Davis, Little Shasta..... | 10 00 |
| Edgwood, best calf of any breed..... | H. S. Wells, Edgwood..... | 10 00 |
| Harrison, second best calf of any breed..... | H. L. Davis, Little Shasta..... | 5 00 |
| Bell, best graded cow..... | Geo. Nurse, Yreka | 15 00 |

FOURTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------------|------------------------------|---------|
| SWINE. | | |
| James of Edinburgh (Berkshire)..... | S. D. Prather, Montague..... | \$20 00 |
| Bummer (Berkshire)..... | H. B. Ream, Yreka | 10 00 |
| Minnie (Berkshire)..... | H. B. Ream, Yreka | 10 00 |

FIFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------|---------------------------------|--------|
| POULTRY. | | |
| Plymouth Rock chickens..... | H. L. Davis, Little Shasta..... | \$2 50 |
| Leghorn chickens..... | H. L. Davis, Little Shasta..... | 2 50 |
| Partridge Cochín chickens..... | L. Pool, Yreka | 2 50 |
| Buff Cochín chickens..... | L. Pool, Yreka | 2 50 |

SIXTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------|-------------------------------|--------|
| MECHANICAL PRODUCTIONS. | | |
| Farm wagon..... | Swan & Lemay, Yreka..... | \$8 00 |
| Top buggy..... | Swan & Lemay, Yreka..... | 10 00 |
| Family carriage..... | Nehrbass & Harmon, Yreka..... | 10 00 |
| Home-made candles..... | Mrs. L. Pool, Yreka..... | 2 00 |
| Home-made soap..... | Mrs. L. Pool, Yreka..... | 2 00 |

SEVENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------------|--------------------------------|--------|
| NEEDLE, SHELL, AND WAX WORK. | | |
| Plush work table spread..... | Mrs. E. Linebaugh, Montague .. | \$5 00 |
| Cotton knit lace..... | Mrs. E. Linebaugh, Montague .. | 2 50 |
| Silk quilt..... | Mrs. S. Smith, Yreka | 5 00 |
| Plush flower work..... | Nellie Iunker, Yreka..... | 3 00 |
| Table spread..... | Dora Iunker, Yreka..... | 2 00 |
| Artificial flowers..... | Emily Iunker, Yreka..... | 2 50 |
| Ottoman cover..... | Emily Iunker, Yreka..... | 2 50 |
| Crazy patchwork..... | Mrs. Tribelcox, Yreka..... | 3 00 |
| Hand-made rug..... | Mrs. Tribelcox, Yreka..... | 2 50 |
| Hand-made underwear..... | Emma King, Fort Jones..... | 2 50 |

SEVENTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|--|--------|
| Crochet lace | Bertha King, Fort Jones | \$2 50 |
| Hand-knit underwear | Nelia Hawkins, Yreka | 3 00 |
| Worsted crochet | Nelia Hawkins, Yreka | 2 00 |
| Hand crochet | Bertha Autenrieth, Yreka | 2 00 |
| Basket shells | Etta Pashburg, Yreka | 3 00 |
| Knit pillow shams | Mrs. Pool, Yreka | 2 00 |
| Worsted crochet patchwork quilt | Jennie Beaudroit, Little Shasta | 3 00 |
| Worsted crochet skirt | Jennie Beaudroit, Little Shasta | 2 50 |
| Ribbosene work | Mrs. S. Smith, Yreka | 2 00 |
| Arrasene work | Mrs. S. Smith, Yreka | 2 00 |
| Fancy headrest | Mrs. S. Smith, Yreka | 2 00 |
| Embroidered wall panel | Mrs. S. Smith, Yreka | 2 50 |
| Silk crochet | Mrs. S. Smith, Yreka | 3 00 |
| Display of millinery | Mrs. S. Smith, Yreka | 5 00 |
| Moss wreath | Mrs. S. Smith, Yreka | 3 00 |
| Calico quilt | Mrs. M. Willis, Yreka | 3 00 |
| Hand-knit mits | Etta Pashburg, Yreka | 2 00 |
| Fancy chair pad | Mrs. J. B. Martin, Little Shasta | 2 50 |
| Embroidery on bolting silk | Mrs. F. A. Autenrieth, Yreka | 3 00 |
| Crazy patchwork | Mrs. F. A. Autenrieth, Yreka | 3 00 |
| Hand-knit socks | Mrs. M. Hetschell, Yreka | 2 50 |
| Hand-knit gloves | Clara Hetschell, Yreka | 2 50 |
| Crochet tidy | Clara Hetschell, Yreka | 2 00 |
| Java canvas tidy | Clara Hetschell, Yreka | 2 50 |
| Ornamental cross | May Hetschell, Yreka | 3 00 |
| Drawn rug | May Hetschell, Yreka | 2 00 |
| Hand-knit stockings | Mrs. Richardson, Ager | 2 50 |
| Hand-made buckskin gloves | Mrs. Richardson, Ager | 2 50 |
| Ladies' underwear (silk) | Mrs. J. J. Scott, Mott | 5 00 |
| Drawn work | Mrs. J. J. Scott, Mott | 3 00 |

EIGHTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|------------------------------|---------------------------------------|--------|
| BREAD, BUTTER, JELLIES, ETC. | | |
| Gold cake | Daisy Pashburg, Yreka | \$2 00 |
| Cocoanut cake | Etta Pashburg, Yreka | 2 00 |
| Walnut cake | Etta Pashburg, Yreka | 2 00 |
| Raised bread | Etta Pashburg, Yreka | 3 00 |
| Raised biscuits | Mrs. A. H. Burrows, Yreka | 2 00 |
| Layer cake | Mrs. A. H. Burrows, Yreka | 2 00 |
| Sponge cake | Mrs. A. H. Burrows, Yreka | 2 00 |
| Soda biscuit | Mrs. A. H. Burrows, Yreka | 2 00 |
| Pound cake | Mrs. A. H. Burrows, Yreka | 2 00 |
| Fruit cake | Mrs. A. Hawkins, Yreka | 2 00 |
| Pound cake | Mrs. A. Hawkins, Yreka | 2 00 |
| Corn bread | Mrs. A. Hawkins, Yreka | 2 00 |
| Quince jelly | Mrs. A. Hawkins, Yreka | 2 00 |
| Currant jelly | Mrs. A. Hawkins, Yreka | 2 00 |
| Apple jelly | Mrs. A. Hawkins, Yreka | 2 00 |
| Raspberry jam | Mrs. A. H. Burrows, Yreka | 1 50 |
| Blackberry jam | Mrs. P. O. Lemay, Yreka | 1 50 |
| Cherry jelly | Mrs. C. Iunker, Yreka | 2 00 |
| Strawberry jelly | Mrs. C. Iunker, Yreka | 2 00 |
| Gooseberry jelly | Mrs. C. Iunker, Yreka | 2 00 |
| Wild plum jelly | Julia Swan, Yreka | 2 00 |
| Raspberry jelly | Julia Swan, Yreka | 2 00 |
| Plum jelly | Alice Powers, Yreka | 2 00 |
| Currant jelly | Alice Powers, Yreka | 2 00 |
| Blackberry jam | Etta Pashburg, Yreka | 1 50 |
| Grape jelly | Jennie Beaudroit, Little Shasta | 2 00 |
| Yellow raspberry jelly | Jennie Beaudroit, Little Shasta | 2 00 |
| Rhubarb jelly | Jennie Beaudroit, Little Shasta | 2 00 |
| Crabapple jelly | Jennie Beaudroit, Little Shasta | 2 00 |
| Prune jelly | Jennie Beaudroit, Little Shasta | 2 00 |

EIGHTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------|---------------------------------------|--------|
| Greengage jelly..... | Mrs. J. B. Martin, Little Shasta... | \$2 00 |
| Peach jelly..... | Mrs. J. B. Martin, Little Shasta... | 2 00 |
| Tomato jelly..... | Mrs. J. B. Martin, Little Shasta... | 2 00 |
| Blue plum jelly..... | Mrs. F. A. Autenrieth, Yreka... | 2 00 |
| Strawberry jelly..... | Mrs. L. Huseman, Yreka..... | 2 00 |
| Fresh apricots..... | Julia Swan, Yreka..... | 1 50 |
| Fresh raspberries..... | Julia Swan, Yreka..... | 1 50 |
| Piccalilli..... | Mrs. P. O. Lemay, Yreka..... | 2 00 |
| Fresh egg plums..... | Mrs. P. O. Lemay, Yreka..... | 1 50 |
| Fresh blackberries..... | Mrs. P. O. Lemay, Yreka..... | 1 50 |
| Fresh grapes..... | Mrs. P. O. Lemay, Yreka..... | 1 50 |
| Pickled cucumbers..... | Mrs. P. O. Lemay, Yreka..... | 1 00 |
| Preserved peaches..... | Mrs. P. O. Lemay, Yreka..... | 1 50 |
| Preserved tomatoes..... | Mrs. P. O. Lemay, Yreka..... | 1 50 |
| Preserved peppers..... | Mrs. P. O. Lemay, Yreka..... | 1 50 |
| Preserved apricots..... | Mrs. P. O. Lemay, Yreka..... | 1 50 |
| Fresh Greengage plums..... | Mrs. A. H. Burrows, Yreka..... | 1 50 |
| Fresh peaches..... | Mrs. A. H. Burrows, Yreka..... | 1 50 |
| Fresh tomatoes..... | Mrs. A. H. Burrows, Yreka..... | 1 50 |
| Fresh huckleberries..... | Mrs. A. Hawkins, Yreka..... | 1 50 |
| Fresh nectarines..... | Mrs. A. Hawkins, Yreka..... | 1 50 |
| Brandied peaches..... | Mrs. A. Hawkins, Yreka..... | 1 50 |
| Fresh plums..... | Mrs. A. Hawkins, Yreka..... | 1 50 |
| Fresh apples..... | Mrs. A. Hawkins, Yreka..... | 1 50 |
| Chile sauce..... | Mrs. A. Hawkins, Yreka..... | 1 50 |
| Tomato catsup..... | Mrs. A. Hawkins, Yreka..... | 1 50 |
| Pickled plums..... | Mrs. A. Hawkins, Yreka..... | 1 50 |
| Fresh strawberries..... | Daisy Pashburg, Yreka..... | 1 50 |
| Pickled onions..... | Daisy Pashburg, Yreka..... | 1 50 |
| Fresh German plums..... | Etta Pashburg, Yreka..... | 1 50 |
| Fresh blue plums..... | Etta Pashburg, Yreka..... | 1 50 |
| Fresh grapes..... | Etta Pashburg, Yreka..... | 1 50 |
| Spiced tomatoes..... | Mrs. A. P. McCarton, Yreka..... | 1 50 |
| Preserved plums..... | Mrs. A. P. McCarton, Yreka..... | 1 50 |
| Green tomato catsup..... | Mrs. A. P. McCarton, Yreka..... | 1 50 |
| Fresh tomatoes..... | Mrs. A. P. McCarton, Yreka..... | 1 50 |
| Preserved green tomatoes..... | Mrs. A. P. McCarton, Yreka..... | 1 50 |
| Crabapple marmalade..... | Leah Beaudroit, Little Shasta..... | 1 50 |
| Sweet pickled cucumbers..... | Leah Beaudroit, Little Shasta..... | 1 50 |
| Preserved gooseberries..... | Leah Beaudroit, Little Shasta..... | 1 50 |
| Sweet pickled apples..... | Leah Beaudroit, Little Shasta..... | 1 50 |
| Spiced crabapples..... | Leah Beaudroit, Little Shasta..... | 1 50 |
| Preserved quinces..... | Leah Beaudroit, Little Shasta..... | 1 50 |
| Fresh plums..... | Leah Beaudroit, Little Shasta..... | 1 50 |
| Mixed pickles..... | Leah Beaudroit, Little Shasta..... | 1 50 |
| Plum butter..... | Leah Beaudroit, Little Shasta..... | 1 50 |
| Tomato butter..... | Leah Beaudroit, Little Shasta..... | 1 50 |
| Fresh wild plums..... | Leah Beaudroit, Little Shasta..... | 1 50 |
| Tomato pickles..... | Mrs. J. B. Martin, Little Shasta..... | 1 50 |
| Tomato butter..... | Mrs. J. B. Martin, Little Shasta..... | 1 50 |
| Fresh cherries..... | Mrs. J. B. Martin, Little Shasta..... | 1 50 |
| Mustard pickles..... | Mrs. J. B. Martin, Little Shasta..... | 1 50 |
| Greengage marmalade..... | Mrs. J. B. Martin, Little Shasta..... | 1 50 |
| Muskmelon marmalade..... | Mrs. J. B. Martin, Little Shasta..... | 1 50 |
| Damson catsup..... | Mrs. J. B. Martin, Little Shasta..... | 1 50 |
| Grape catsup..... | Mrs. J. B. Martin, Little Shasta..... | 1 50 |
| Fresh currants..... | Mrs. J. B. Martin, Little Shasta..... | 1 50 |
| Fresh Greengage plums..... | Mrs. J. B. Martin, Little Shasta..... | 1 50 |
| Oiled pickles..... | Mrs. J. B. Martin, Little Shasta..... | 1 50 |
| Spiced damsons..... | Mrs. J. B. Martin, Little Shasta..... | 1 50 |
| Damson marmalade..... | Mrs. J. B. Martin, Little Shasta..... | 1 50 |
| Preserved tomatoes..... | Mrs. J. B. Martin, Little Shasta..... | 1 50 |
| Pickled peaches..... | Mrs. F. A. Autenrieth, Yreka..... | 1 50 |
| Pickled pears..... | Mrs. F. A. Autenrieth, Yreka..... | 1 50 |
| Chowchow..... | Mrs. F. A. Autenrieth, Yreka..... | 1 00 |
| Tomato catsup..... | Mrs. F. A. Autenrieth, Yreka..... | 1 50 |
| Preserved raspberries..... | Mrs. A. H. Burrows, Yreka..... | 1 50 |
| Peach cordial..... | Mrs. S. Smith, Yreka..... | 1 50 |
| Fresh gooseberries..... | Mrs. Jennie Bray, Yreka..... | 1 50 |
| Preserved prunes..... | Mrs. L. Huseman, Yreka..... | 1 50 |

EIGHTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--------------------------|--|--------|
| Sweet pickled figs | Mrs. L. Huseman, Yreka | \$1 50 |
| Preserved pears | Mrs. L. Huseman, Yreka | 1 50 |
| Preserved figs | Mrs. L. Huseman, Yreka | 1 50 |
| Fresh pears | Mrs. L. Huseman, Yreka | 1 50 |
| Fresh butter | Mrs. J. B. Martin, Little Shasta | 5 00 |

NINTH DEPARTMENT—(JUVENILE).

| Exhibit. | Exhibitor. | Award. |
|---------------------------|-------------------------------|--------|
| Patchwork quilt | Ivy Bray, Butte Creek | \$2 50 |
| Raised bread | Mabel Bray, Butte Creek | 1 50 |
| Raised biscuit | Rose Bray, Butte Creek | 1 50 |
| Crochet tidy | Lizzie Kunz, Fort Jones | 2 00 |
| Specimen of penwork | Annie Pashburg, Yreka | 3 00 |

TENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------|---------|
| FINE ARTS. | | |
| Oil painting | B. F. Smith, Yreka | \$10 00 |
| Landscape in oil | B. F. Smith, Yreka | 5 00 |
| Painting (flower piece) | Agnes Vance, Yreka | 5 00 |
| Crayon portrait | Agnes Vance, Yreka | 5 00 |
| Crayon drawing | Henry Schroder, Yreka | 2 50 |
| Crayon drawing (color) | Henry Schroder, Yreka | 2 50 |
| Crayon landscape | Alice Powers, Yreka | 5 00 |
| Pen drawing | Mrs. M. Nurse, Yreka | 5 00 |
| Decorative painting on silk | Minnie Iffland, Yreka | 5 00 |
| Decorative painting on ivoryine | Minnie Iffland, Yreka | 5 00 |
| Decorative painting on china | Minnie Iffland, Yreka | 5 00 |
| Decorative painting on wood | Agnes Vance, Yreka | 5 00 |
| Decorative painting on bolting silk | Agnes Vance, Yreka | 5 00 |
| Decorative painting on chamois | Nellie Iunker, Yreka | 5 00 |
| Decorative painting on felt | Alice Powers, Yreka | 5 00 |
| Decorative painting on oilcloth | Lena Burrows, Yreka | 5 00 |
| Tinted photographs | Clara Hetschell, Yreka | 5 00 |
| Amateur photography | Dr. C. A. Larison, Yreka | 5 00 |
| Specimen of penmanship | Daisy Pashburg, Yreka | 5 00 |
| Charcoal drawing | Edith Coleman, Fort Jones | 5 00 |
| Oil painting (fruit) | Edith Coleman, Fort Jones | 2 50 |

ELEVENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|------------------------------|-----------------------------------|--------|
| AGRICULTURAL PRODUCTS. | | |
| Blood red beets | Jacob Casey, Willow Creek | \$2 50 |
| Silver skin onions | Jacob Casey, Willow Creek | 2 50 |
| Ten varieties apples | B. B. Jackson, Oak Bar | 5 00 |
| Three varieties apples | B. B. Jackson, Oak Bar | 3 00 |
| Display of pears | B. B. Jackson, Oak Bar | 2 50 |
| Display of peaches | B. B. Jackson, Oak Bar | 2 50 |
| Display of grapes | B. B. Jackson, Oak Bar | 2 50 |
| Early potatoes | Antone Foster, Hawkinsville | 5 00 |
| Winter potatoes | Antone Foster, Hawkinsville | 5 00 |

ELEVENTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--|--------|
| Cabbage | Antone Foster, Hawkinsville | \$2 50 |
| Squash | Antone Foster, Hawkinsville | 2 50 |
| Tomatoes | Antone Foster, Hawkinsville | 2 50 |
| Carrots | Antone Foster, Hawkinsville | 2 50 |
| Popcorn | Antone Foster, Hawkinsville | 2 50 |
| Cucumbers | Mrs. M. Beaudroit, Little Shasta | 2 00 |
| Field corn | Mrs. M. Beaudroit, Little Shasta | 2 00 |
| Peppers | Mrs. M. Beaudroit, Little Shasta | 2 00 |
| Watermelons | Mrs. L. Huseman, Yreka | 1 00 |
| Muskmelons | Mrs. L. Huseman, Yreka | 1 00 |
| Plums | Mrs. A. Wetzel, Yreka | 2 00 |
| Currant wine | Mrs. G. A. Nordheim, Yreka | 2 50 |
| Blackberry wine | Mrs. G. A. Nordheim, Yreka | 2 50 |
| Display of flour and mill stuffs | Vance & Walbridge, Yreka | 5 00 |
| Wheat | H. L. Davis, Little Shasta | 5 00 |
| Barley | H. L. Davis, Little Shasta | 5 00 |
| Oats | H. L. Davis, Little Shasta | 5 00 |
| Bacon | H. L. Davis, Little Shasta | 5 00 |
| Cheese | Thomas Patton, Fort Jones | 5 00 |

TWELFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------------|----------------------------------|--------|
| FLORAL. | | |
| Hanging basket of flowers | Dora Iunker, Yreka | \$2 50 |
| Foliage plants | Mrs. A. H. Burrows, Yreka | 5 00 |
| House plants | Mrs. C. Iunker, Yreka | 5 00 |
| Cut flowers, first premium | Mrs. G. A. Nordheim, Yreka | 5 00 |
| Cut flowers, second premium | Mrs. A. Wetzel, Yreka | 2 50 |

SPEED PROGRAMME.

TUESDAY, SEPTEMBER 29, 1891.

RACE No. 1—TROTTING.

3:00 Class. For district horses. Purse, \$150. Mile heats, best two in three.

| | | |
|----------------------------------|---|---|
| G. W. McDonald's Allegretto..... | 1 | 1 |
| L. Swan's Siskiyau Belle | 2 | 2 |

Time—3:25; 3:18.

RACE No. 2—RUNNING.

Special for named horses. Purse, \$150. Half mile heats.

| | | |
|---------------------------------------|---|---|
| G. W. McDonald's b. g. Scampaway..... | 1 | 1 |
| J. W. Gibson's b. m. Katisha | 3 | 2 |
| E. S. Howard's b. g. Jambouree | 2 | 3 |
| G. W. Mapes' g. g. Jake | 4 | 4 |

Time—0:51½; 0:52½.

RACE No. 3—TROTTING.

For district two-year olds. Purse, \$150. Mile heats, best two in three.

| | | |
|---|---|---|
| G. W. McDonald's s. f. Latisha, by Roscoe | 1 | 1 |
| H. D. Robertson's b. f. Minnie R, by Xylophone..... | 2 | 2 |

Time—3:08½; 3:08½.

WEDNESDAY, SEPTEMBER 30, 1891.

RACE No. 4—RUNNING.

Special for named horses. Purse, \$200. Seven eighths of a mile.

| | |
|--|---|
| C. D. Russel's ch. g. Jim R, by Connor..... | 1 |
| J. H. Grant's b. g. Regal, by Regent | 2 |
| Robert Sears' b. m. Carrie M, by Hyder Ali | 3 |

Time—1:31.

RACE No. 5—TROTTING.

2:50 Class. Purse, \$250. Mile heats, best three in five.

| | | | | |
|--|---|---|---|---|
| G. W. McDonald's b. s. Allegretto..... | 1 | 1 | 2 | 1 |
| C. H. Burton's b. g. E P | 2 | 2 | 1 | 2 |
| L. Swan's b. m. Zephyr..... | 3 | 3 | 3 | 3 |

Time—2:45; 2:48; 2:45; 2:48.

RACE No. 6—RUNNING.

For named horses. Purse, \$100. One half mile.

| | |
|--|---|
| G. W. McDonald's b. g. Scampaway..... | 1 |
| H. H. Knight's b. g. Johnny Allen..... | 2 |
| F. M. Starkey's s. g. Cyclone..... | 3 |

Time—0:51½.

THURSDAY, OCTOBER 1, 1891.

RACE No. 7—RUNNING.

Free for all. Purse, \$150. Three quarters of a mile and repeat.

| | | |
|---|---|---|
| C. D. Russel's ch. g. Jim R, by Connor..... | 1 | 1 |
| Robert Sears' b. m. Carrie M, by Hyder Ali..... | 2 | 2 |

Time—1:18; 1:18½.

RACE No. 8—TROTTING.

For district stallions. Purse, \$250. Mile heats, best three in five.

| | | | |
|------------------------------------|---|---|---|
| S. D. Prather's Grand Admiral..... | 1 | 1 | 1 |
| G. W. McDonald's Allegretto..... | 2 | 2 | 2 |

Time—2:39; 2:40; 2:40½.

RACE No. 9—RUNNING.

For district two-year olds. Purse, \$150. Five eighths of a mile.

| | |
|--|---|
| E. S. Howard's s. f. Phoebe Shaw, by Keystone..... | 1 |
| Chas. Howard's br. f. Hancena, by Keystone..... | 2 |
| J. Bailey's b. c. White Cloud, by Red Cloud..... | 3 |

Time—1:00½.

FRIDAY, OCTOBER 2, 1891.

RACE No. 10—RUNNING.

Sweepstake novelty. Free for all. Purse, \$100; first quarter, \$30; second quarter, \$30; last quarter, \$40.

| | |
|---|---|
| J. H. Grant's b. g. Regal, by Regent..... | 1 |
| C. D. Russel's ch. g. Jim R, by Connor..... | 2 |
| A. H. Knight's b. g. Johnny Allen..... | 3 |
| D. E. Copple's b. g. Modoc..... | 0 |
| G. W. Mapes' g. g. Jake..... | 0 |

Time—0:25; 0:51; 1:17½.

Johnny Allen won first quarter, Jim R won second quarter, and finished first at the outcome under a strong pull, but it was given to Regal because Jim R swerved coming down the stretch.

RACE No. 11—TROTTING.

For named horses. Purse, \$500. Mile heats, best three in five.

| | | | |
|---|---|---|---|
| L. Swan's g. m. Georgie Woodthorpe..... | 1 | 1 | 1 |
| S. D. Prather's ch. s. Grand Admiral..... | 2 | 2 | 2 |
| A. H. Knight's b. g. Ginger..... | 3 | 3 | 4 |
| G. W. McDonald's b. s. Allegretto..... | 4 | 4 | 3 |

Time—2:33½; 2:34½; 2:37.

RACE No. 12—RUNNING.

For district saddle horses. Purse, \$40. One quarter of a mile.

| | |
|---------------------------------|---|
| Ed. Keesling's Dandy J | 1 |
| Henry Carlisle's Fannie C. | 2 |
| John Autenrieth's Daisy A | 3 |

Time—0:26.

SATURDAY, OCTOBER 3, 1891.

RACE No. 13—RUNNING.

For named horses. Purse, \$75. Three eighths of a mile.

| | |
|--------------------------------|---|
| G. W. Mapes' Jake | 1 |
| D. E. Copple's Modoc | 2 |
| E. S. Howard's Jambouree | 3 |

Time—0:36½.

RACE No. 14—RUNNING.

For named horses. Purse, \$100. One half mile.

| | |
|---|---|
| Robert Sears' b. m. Carrie M, by Hyder Ali | 1 |
| A. H. Knight's b. g. Johnny Allen | 2 |
| J. W. Gibson's b. m. Katisha, by Kyrle Daly | 3 |
| Julius Fidler's Diphtheria, by Jocko | 4 |

Time—0:49½.

EXHIBITIONS OF SPEED.

F. M. Starkey's s. g. Cyclone was brought out, and, after being warmed up, gave an exhibition of speed, running a quarter of a mile in the remarkable time of 21½ seconds, for which an award of \$25 was made to Mr. Starkey.

There was also an exhibition of trotting by L. Swan's g. m. Georgie Woodthrope, by Altamont, which was very interesting; but as Mr. Swan did not desire to give his mare a public record, no time was taken.

TRANSACTIONS

OF THE

ELEVENTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the Counties of Plumas and Sierra.

OFFICERS OF THE ASSOCIATION.

| | |
|---------------------|------------|
| J. W. THOMPSON..... | President. |
| E. HUSKINSON ... | Secretary. |
| J. H. WHITLOCK..... | Treasurer. |

DIRECTORS.

| | |
|----------------------|--------------------------------|
| J. W. THOMPSON..... | Quincy. |
| J. S. BRANSFORD..... | Quincy. |
| R. E. GARLAND..... | Quincy. |
| J. S. CARTER..... | Crescent. |
| JACOB STEPHAN..... | Quincy. |
| JOHN McBETH..... | Butte Valley. |
| DAN COLE..... | Mountain House, Sierra County. |
| L. DALLY..... | Sierraville. |

REPORT.

QUINCY, November 11, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Eleventh District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

E. HUSKINSON,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | |
|--|-------------------|
| Amount due association on notes | \$75 00 |
| Received from suspended horses | 259 63 |
| Tickets at gate and donations of money | 1,011 60 |
| Entrance to races | 1,910 00 |
| Subscription to fair | 3,600 00 |
| State warrant | 2,250 00 |
| | <u>\$9,106 13</u> |

Expenditures.

| | |
|---|-------------------|
| Balance from 1890 | \$292 35 |
| Music | 290 00 |
| Membership in National Trotting Association | 50 00 |
| Printing | 385 40 |
| Sundry expenses | 944 13 |
| Paid purses | 4,761 00 |
| Paid premiums | 2,308 25 |
| Balance on hand | 75 00 |
| | <u>\$9,106 13</u> |

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|----------------------------------|---------|
| THOROUGHBREDS—STALLIONS. | | |
| Billy Bolinger..... | A. Courtwright | \$50 00 |
| HORSES OF ALL WORK—STALLIONS. | | |
| Duke, three years old and over..... | D. McKenzie, Greenville..... | 30 00 |
| Diamond Dick, three years old and over..... | H. C. Flournoy, Genesee..... | 15 00 |
| John T, two years old..... | H. C. McClellan, Greenville..... | 20 00 |
| Colonel D, two years old..... | M. L. Durbin, Snake Lake..... | 10 00 |
| John L, one year old..... | J. H. Yeates, Quincy..... | 15 00 |
| Jack, one year old..... | D. Robertson, Quincy..... | 7 50 |
| ——, suckling..... | R. L. McGill, Greenville..... | 10 00 |
| Snake Lake, suckling..... | M. L. Durbin, Quincy..... | 5 00 |
| MARES. | | |
| Fanny, three years old and over..... | Tim Flanigan, Quincy..... | 20 00 |
| Maud, three years old and over..... | J. H. Yeates, Quincy..... | 10 00 |
| Victoria, two years old..... | Wallace Bransford, Quincy..... | 15 00 |
| ——, two years old..... | John Nevill, Johnstown..... | 7 50 |
| Gazelle, one year old..... | E. P. Smith, Taylorsville..... | 12 00 |
| Black Bess, one year old..... | D. R. Cate, Quincy..... | 6 00 |
| Theo, suckling..... | J. M. Cadle, Greenville..... | 10 00 |
| ——, suckling..... | E. D. Hosselkus, Genesee..... | 5 00 |
| GELDINGS. | | |
| Jim, three years old and over..... | J. Stephan, Quincy..... | 20 00 |
| Billy, three years old and over..... | J. M. Cadle, Greenville..... | 10 00 |
| FAMILIES. | | |
| Bose and colt..... | J. W. Thompson, Quincy..... | 25 00 |
| Fan and colt..... | J. H. Yeates, Quincy..... | 12 50 |
| Mare and family..... | W. Foreman, Taylorsville..... | 30 00 |
| Mare and family..... | A. C. Dunham, Quincy..... | 15 00 |
| ROADSTERS—STALLIONS. | | |
| Engineer, three years old and over..... | E. P. Smith, Taylorsville..... | 25 00 |
| Gus Payne, three years old and over..... | H. E. McClellan, Greenville..... | 12 50 |
| GELDINGS. | | |
| Milford B, three years old and over..... | J. S. Bransford, Quincy..... | 25 00 |
| Fountain, three years old and over..... | B. Schneider, Quincy..... | 12 50 |
| DOUBLE TEAMS. | | |
| Best..... | J. S. Bransford, Quincy..... | 25 00 |
| Second best..... | Sam Lee, Quincy..... | 12 50 |
| DRAFT HORSES—NORMAN—STALLIONS. | | |
| Dude, one year old..... | E. D. Hosselkus, Genesee..... | 15 00 |
| MARES. | | |
| Jake and colt..... | E. D. Hosselkus, Genesee..... | 25 00 |
| ——, two years old..... | E. D. Hosselkus, Genesee..... | 15 00 |
| GELDINGS. | | |
| Chief, three years old and over..... | J. W. Stark, Taylorsville..... | 20 00 |
| GENERAL DRAFT HORSES—MARES. | | |
| May, three years old and over..... | J. Clinch, Quincy..... | 20 00 |
| Kate, three years old and over..... | J. M. Cadle, Greenville..... | 10 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--------------------------------|---------|
| Daisy, two years old | D. Finlayson, Quincy | \$15 00 |
| Susie, two years old | Harry Johnson, Quincy | 7 50 |
| Daisy, one year old | C. G. Welden, Quincy | 12 00 |
| GELDINGS. | | |
| Tom, three years old and over | J. Clinch, Quincy | 20 00 |
| Barney, three years old and over | J. M. Cadle, Greenville | 10 00 |
| HOLSTEIN CATTLE—BULLS. | | |
| Goshen, three years old and over | J. W. Thompson, Quincy | 30 00 |
| Duke of Ironsides, two years old | J. E. Mills, Quincy | 20 00 |
| Waponee, calf | J. E. Mills, Quincy | 10 00 |
| Governor Ironsides, calf | J. W. Thompson, Quincy | 5 00 |
| COWS. | | |
| Kentucky Gem, three years old and over | J. E. Mills, Quincy | 25 00 |
| Wunetka Ray, three years old and over | J. E. Mills, Quincy | 12 50 |
| Mahala, two years old | R. L. McGill, Greenville | 20 00 |
| Plumas Beauty, two years old | J. W. Thompson, Quincy | 10 00 |
| Tessette, one year old | J. W. Thompson, Quincy | 15 00 |
| Goshen's K, one year old | J. W. Thompson, Quincy | 7 50 |
| Lily Maid of D. 3d, calf | J. W. Thompson, Quincy | 10 00 |
| Maud Patience, calf | J. W. Thompson, Quincy | 5 00 |
| DURHAM CATTLE—BULLS. | | |
| Success, three years old and over | B. F. Chandler, Quincy | 30 00 |
| Johnny Wicks, three years old and over | E. D. Hosselkus, Genesee | 15 00 |
| _____, calf | E. D. Hosselkus, Genesee | 10 00 |
| COWS. | | |
| Matilda 8th, three years old and over | E. D. Hosselkus, Genesee | 25 00 |
| Maud, three years old and over | E. D. Hosselkus, Genesee | 12 50 |
| Flora, two years old | E. D. Hosselkus, Genesee | 20 00 |
| _____, calf | E. D. Hosselkus, Genesee | 10 00 |
| GRADED CATTLE—BULLS. | | |
| Billy, three years old and over | J. Stephan, Quincy | 20 00 |
| Ben, three years old and over | D. Finlayson, Quincy | 10 00 |
| Ben, two years old | J. Clinch, Quincy | 15 00 |
| Ben, one year old | D. Robertson, Quincy | 10 00 |
| _____, one year old | W. Clinch, Quincy | 5 00 |
| Jim, calf | W. A. Blakesley, Quincy | 5 00 |
| COWS. | | |
| _____, three years old and over | D. Robertson, Quincy | 20 00 |
| _____, three years old and over | Sam Goodwin, Quincy | 10 00 |
| _____, calf | D. Finlayson, Quincy | 2 50 |
| OXEN. | | |
| Tom and Jerry | G. A. Elkins | 20 00 |
| JERSEY CATTLE. | | |
| Best cows | Mrs. M. Hall, Quincy | 25 00 |
| Best calves | Mrs. M. Hall, Quincy | 10 00 |
| SHEEP. | | |
| Best pen of three | D. Finlayson, Quincy | 10 00 |
| Best ram | D. Finlayson, Quincy | 10 00 |
| Best ewe | D. Finlayson, Quincy | 10 00 |
| SWINE. | | |
| Best Berkshire boar | J. E. Mills, Quincy | 15 00 |
| Best Berkshire sow | J. E. Mills, Quincy | 10 00 |
| Second best Berkshire sow | J. E. Mills, Quincy | 5 00 |
| Best Poland-China boar | D. Robertson, Quincy | 15 00 |
| Second best Poland-China boar | D. R. Cate, Quincy | 10 00 |
| Best Poland-China sow | D. R. Cate, Quincy | 10 00 |
| Best Duroc boar | J. M. Cadle, Greenville | 15 00 |
| Best Duroc sow | J. M. Cadle, Greenville | 10 00 |
| Best Essex sows | D. Finlayson, Quincy | 10 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------------|------------------------------|--------|
| POULTRY. | | |
| Best coop of Houdans | Mrs. Ed. Eaton, Quincy | \$5 00 |
| Best coop of Plymouth Rocks | Sam Cameron, Quincy | 5 00 |
| Best coop of Black Spanish | D. R. Cate, Quincy | 5 00 |
| Best coop of turkeys | Mrs. Ed. Eaton, Quincy | 5 00 |
| Best coop of ducks | Harry Johnson, Quincy | 5 00 |
| Best exhibit of fowls | Mrs. Ed. Eaton, Quincy | 10 00 |

LADIES' TOURNAMENT.

| Name. | Premium. | Award. |
|----------------------------------|----------------------|---------|
| Miss Flora Gansner, Quincy | First premium | \$40 00 |
| Miss Tina Gansner, Quincy | Second premium | 30 00 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|----------------------------|--|--------|
| CLASS I. | | |
| Knit skirt | Mrs. J. Stephan, Quincy | \$2 00 |
| White apron | Mrs. J. Stephan, Quincy | 2 00 |
| Boy's suit | Mrs. J. Stephan, Quincy | 4 00 |
| Hairpin tidy | Mrs. J. Stephan, Quincy | 2 00 |
| Crochet skirt | Mrs. Jo Dyson, Summit | 1 00 |
| Crochet skirt | Miss Joey Dyson, Summit | 2 00 |
| Comforter | Mrs. T. C. Lee, Quincy | 1 00 |
| Child's dress | Mrs. T. C. Lee, Quincy | 2 00 |
| Pillow cases | Miss Kate Chandler, Quincy | 2 00 |
| Quilt and shams | Miss Kate Chandler, Quincy | 5 00 |
| Chair cushion | Miss Kate Chandler, Quincy | 2 00 |
| Silk apron | Miss Kate Chandler, Quincy | 2 00 |
| Brush holder | Mrs. B. Schneider, Quincy | 1 00 |
| Cotton tidy | Mrs. W. Schneider, Quincy | 2 00 |
| Collection of tidies | Mrs. W. Schneider, Quincy | 2 00 |
| Wool tidy | Mrs. John Smith, Quincy | 1 00 |
| Display of splashers | Mrs. John Smith, Quincy | 1 00 |
| Linen tidy | Mrs. John Smith, Quincy | 2 00 |
| Knit skirt | Miss Mamie Cate, Quincy | 2 00 |
| Outline splashers | Miss Mamie Cate, Quincy | 1 00 |
| Wool tidy | Miss Mamie Cate, Quincy | 2 00 |
| Pillow cases | Mrs. A. Berg, Quincy | 1 00 |
| Underclothes | Mrs. W. A. Blakesley, Quincy | 2 00 |
| Knit tidy | Mrs. W. A. Blakesley, Quincy | 2 00 |
| Tongue rug | Mrs. M. Blakesley, Quincy | 3 00 |
| Log cabin rug | Miss M. Blakesley, Quincy | 1 50 |
| Gent's shirt | Miss M. Blakesley, Quincy | 3 00 |
| Comforter | Miss M. Blakesley, Quincy | 2 00 |
| Foot rug | H. C. Flournoy, Genesee | 1 50 |
| Lamp mat | Mrs. H. P. Wormley, Quincy | 1 00 |
| Gent's scarf | Mrs. H. P. Wormley, Quincy | 1 00 |
| Knit tidy | Mrs. J. W. Larison, Quincy | 1 00 |
| Cotton stockings | Mrs. Chas. Bonta, Mohawk | 1 50 |
| Knit shawl | Mrs. Chas. Bonta, Mohawk | 2 00 |
| Fancy stockings | Maggie Donnenworth, Taylorsville | 1 50 |
| Knit gloves | Maggie Donnenworth, Taylorsville | 1 00 |
| Knit socks | Maggie Donnenworth, Taylorsville | 1 00 |
| Knit stockings | Maggie Donnenworth, Taylorsville | 1 00 |
| Crazy quilt | Mrs. M. W. Robinson, Toll Gate | 7 00 |
| Braided rug | Mrs. M. W. Robinson, Toll Gate | 3 00 |
| Rag carpet | Mrs. M. W. Robinson, Toll Gate | 5 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|--|--------|
| Knit gloves..... | Mrs. M. W. Robinson, Toll Gate..... | \$0 50 |
| Home-made mittens..... | Mrs. M. W. Robinson, Toll Gate..... | 1 50 |
| Knit lace..... | Mrs. M. W. Robinson, Toll Gate..... | 1 50 |
| Silk mittens..... | Mrs. S. N. Cameron, Quincy..... | 8 00 |
| Six table mats..... | Mrs. Chas. Bonta, Mohawk..... | 4 00 |
| Child's dress..... | Mrs. M. K. Leavitt, Quincy..... | 4 00 |
| Hooked spread..... | Miss Annie Hogan, Quincy..... | 2 50 |
| Crazy quilt..... | Miss Jennie Garner, Quincy..... | 2 00 |
| Afghan..... | Miss Jennie Garner, Quincy..... | 3 00 |
| Family sewing..... | Miss Annie Hogan, Quincy..... | 2 00 |
| Tray cloth..... | Mrs. G. G. Clough, Quincy..... | 10 00 |
| Lady's dress..... | Miss Ida Barker, Quincy..... | 2 00 |
| Boy's suit..... | Miss Ida Barker, Quincy..... | 1 00 |
| Outline shams..... | Mrs. H. Luman, Quincy..... | 5 00 |
| Log cabin quilt..... | Mrs. Wm. Kinsey, Quincy..... | 2 00 |
| Darning..... | Mrs. Petrini Meyer, Quincy..... | 2 00 |
| Knit skirt..... | Mrs. Petrini Meyer, Quincy..... | 7 00 |
| Silk quilt..... | Mrs. E. D. Hossekus, Genesee..... | 3 00 |
| Quilting..... | Mrs. E. D. Hossekus, Genesee..... | 2 00 |
| Fancy pillow shams..... | Mrs. E. D. Hossekus, Genesee..... | 1 50 |
| Drawn rug..... | Mrs. E. D. Hossekus, Genesee..... | 1 50 |
| Drawn rug..... | Mrs. E. D. Hossekus, Genesee..... | 1 00 |
| Yarn..... | Mrs. J. W. McIntyre, Taylorsville..... | 2 50 |
| Lace shams..... | Mrs. John Dow, Quincy..... | 2 00 |
| Outline pillow shams..... | Mrs. John Dow, Quincy..... | |
| CLASS II. | | |
| Ribbon cushion..... | Miss Hattie Neseman, Mohawk..... | 2 00 |
| Novelty lace..... | Miss Hattie Neseman, Mohawk..... | 1 00 |
| Drawn work..... | Miss Maude N. White, Quincy..... | 1 50 |
| Display of embroidery..... | Mrs. T. C. Lee, Quincy..... | 5 00 |
| Embroidered handkerchief..... | Mrs. T. C. Lee, Quincy..... | 2 00 |
| Toilet cushion..... | Miss Kate Chandler, Quincy..... | 1 00 |
| Hemstitching..... | Miss Kate Chandler, Quincy..... | 1 50 |
| Sofa cushion..... | Mrs. C. J. Lee, Quincy..... | 1 50 |
| Afghan..... | Mrs. C. J. Lee, Quincy..... | 2 00 |
| Necktie case..... | Mrs. B. Schneider, Quincy..... | 1 00 |
| Easel drape..... | Mrs. B. Schneider, Quincy..... | 1 00 |
| Mantel lambrequin..... | Mrs. W. Schneider, Quincy..... | 3 00 |
| Mantel drape..... | Mrs. W. Schneider, Quincy..... | 2 00 |
| Toilet cushion..... | Mrs. W. Schneider, Quincy..... | 2 00 |
| Decorated fan..... | Mrs. W. J. Edwards, Quincy..... | 1 50 |
| Lace toilet set..... | Mrs. John Smith, Quincy..... | 1 00 |
| Crochet tidy..... | Mrs. John Smith, Quincy..... | 1 00 |
| Tufted worsted work..... | Mrs. John Smith, Quincy..... | 1 00 |
| Embroidered infant's skirt..... | Miss K. Goodwin, Quincy..... | 2 00 |
| Fancy apron..... | Miss K. Goodwin, Quincy..... | 1 00 |
| Hemstitching..... | Miss Mamie Cate, Quincy..... | 3 00 |
| Outline embroidery..... | Miss Mamie Cate, Quincy..... | 2 00 |
| Feather-edge tidy..... | Miss Mamie Cate, Quincy..... | 2 00 |
| Lace quilt and shams..... | Miss M. Blakesley, Quincy..... | 5 00 |
| Display of crochet work..... | Miss M. Blakesley, Quincy..... | 2 00 |
| Handkerchief case..... | Miss M. Blakesley, Quincy..... | 1 00 |
| Sachet..... | Miss M. Blakesley, Quincy..... | 1 00 |
| Rickrack trimming..... | Miss M. Blakesley, Quincy..... | 2 00 |
| Log cabin cushion..... | Miss M. Blakesley, Quincy..... | 1 00 |
| Crochet shawl..... | Mrs. H. P. Wormley, Quincy..... | 2 00 |
| Sofa cushion..... | Miss Clara Root, Quincy..... | 2 00 |
| Lamp mat..... | Mrs. A. Berg, Quincy..... | 2 00 |
| Table scarf..... | Miss Clara Root, Quincy..... | 1 00 |
| Embroidered saddle bag..... | Miss Emma Robinson, Toll Gate..... | 3 00 |
| Wool tidy..... | Mrs. S. N. Cameron, Quincy..... | 2 00 |
| Hand braiding..... | Mrs. M. K. Leavitt, Quincy..... | 2 00 |
| Embroidered tidy..... | Leona Kaulback, Quincy..... | 2 00 |
| Sofa cushion..... | Leona Kaulback, Quincy..... | 3 00 |
| Table scarf..... | Miss Jennie Garner, Quincy..... | 2 00 |
| Crochet slippers..... | Miss Jennie Garner, Quincy..... | 1 00 |
| Hand embroidery..... | Mrs. E. Garner, Quincy..... | 2 00 |
| Lace..... | Mrs. E. Garner, Quincy..... | 2 00 |
| Wool tidy..... | Miss D. Thompson, Quincy..... | 1 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|------------------------------|---------------------------------------|--------|
| Bureau scarf..... | Miss D. Thompson, Quincy..... | \$2 00 |
| Fancy tidy..... | Lena Gansner, Quincy..... | 2 00 |
| Embroidered saddle bag..... | Mrs. G. G. Clough, Quincy..... | 2 00 |
| Darned lace..... | Mrs. G. G. Clough, Quincy..... | 2 00 |
| Arabian embroidery..... | Mrs. G. G. Clough, Quincy..... | 2 00 |
| Two crochet tidies..... | Miss Ethel Fletcher, Quincy..... | 2 00 |
| Arrasene embroidery..... | Miss Ethel Fletcher, Quincy..... | 2 00 |
| Arrasene embroidery..... | Mrs. H. Luman, Quincy..... | 1 00 |
| Point lace..... | Mrs. M. Pritchard, Sierra Valley..... | 5 00 |
| Infant's shoes..... | Mrs. A. A. Morgan, Sierra Valley..... | 2 00 |
| Drawn work..... | Leona Kaulback, Quincy..... | 3 00 |
| Embroidered tray cover..... | Mrs. W. W. Kellogg, Quincy..... | 2 00 |
| Filoselle embroidery..... | Mrs. T. C. Lee, Quincy..... | 5 00 |
| CLASS III. | | |
| Plaque..... | Miss Jennie Sutton, Quincy..... | 2 00 |
| Painting in oil..... | Miss Jennie Sutton, Quincy..... | 2 00 |
| Clock lambrequin..... | Miss Jennie Sutton, Quincy..... | 1 00 |
| Painted tidy..... | Miss Jennie Sutton, Quincy..... | 1 00 |
| Drape..... | Miss Jennie Sutton, Quincy..... | 1 00 |
| Crazy quilt..... | Miss Jennie Sutton, Quincy..... | 2 50 |
| Fancy cake..... | Miss Jennie Sutton, Quincy..... | 1 50 |
| Display of cake..... | Miss Annie Sutton, Quincy..... | 3 00 |
| Outline work..... | Ray Goodwin, Quincy..... | 1 00 |
| Display of crochet work..... | Mabel Bringham, Beckwith..... | 1 50 |
| Charmstring..... | Allie Derbyshire, Quincy..... | 1 00 |
| Picture album..... | Dannie Cate, Quincy..... | 1 00 |
| Cotton quilt..... | Dora Johnson, Quincy..... | 4 00 |
| Cotton skirt..... | Dora Johnson, Quincy..... | 1 50 |
| Dried grass..... | Dora Johnson, Quincy..... | 1 00 |
| Fruit cake..... | Dora Johnson, Quincy..... | 2 00 |
| Fancy cake..... | Nellie Berg, Quincy..... | 1 50 |
| Graham bread..... | Nellie Berg, Quincy..... | 1 50 |
| Pillow cases..... | Nellie Berg, Quincy..... | 1 00 |
| Splasher..... | Nellie Berg, Quincy..... | 50 |
| Pillow shams..... | Annie Price, Quincy..... | 1 00 |
| Tidy..... | Sadie Price, Quincy..... | 1 00 |
| Book mark..... | Sadie Price, Quincy..... | 50 |
| Panel painting..... | Amy Sauer, Quincy..... | 1 00 |
| Plaque..... | Amy Sauer, Quincy..... | 1 00 |
| Painted tambourine..... | Amy Sauer, Quincy..... | 1 00 |
| Bureau scarf..... | Amy Sauer, Quincy..... | 50 |
| Bread..... | Amy Sauer, Quincy..... | 1 00 |
| Chocolate cake..... | Amy Sauer, Quincy..... | 1 50 |
| Toilet set..... | Lizzie Larison, Quincy..... | 1 00 |
| Knit lace..... | Lizzie Larison, Quincy..... | 1 00 |
| Fancy apron..... | Lizzie Larison, Quincy..... | 1 50 |
| Hand-made underclothing..... | Nellie Cameron, Quincy..... | 3 00 |
| Outline shams..... | Nellie Cameron, Quincy..... | 50 |
| Sofa cushion..... | Nellie Cameron, Quincy..... | 1 00 |
| Six buttonholes..... | Nellie Cameron, Quincy..... | 50 |
| Drawing, pencil..... | Russel Durbin, Quincy..... | 2 00 |
| Embroidered tidy..... | Laura McBeth, Prattville..... | 1 00 |
| Plain sewing..... | Maggie Hogan, Quincy..... | 3 00 |
| Crochet patterns..... | Maggie Hogan, Quincy..... | 75 |
| Crochet lambrequin..... | Maggie Hogan, Quincy..... | 1 00 |
| Apple jelly..... | Cecilia Hogan, Quincy..... | 1 00 |
| Pillow slips..... | Cecilia Hogan, Quincy..... | 50 |
| Sewing apron..... | Cecilia Hogan, Quincy..... | 75 |
| Crochet work..... | Cecilia Hogan, Quincy..... | 75 |
| Silk quilt..... | Tina Gansner, Quincy..... | 5 00 |
| Sofa pillow..... | Tina Gansner, Quincy..... | 50 |
| Necktie case..... | Tina Gansner, Quincy..... | 50 |
| Photograph case..... | Tina Gansner, Quincy..... | 50 |
| Pair pinballs..... | Tina Gansner, Quincy..... | 50 |
| Melon seed bag..... | Tina Gansner, Quincy..... | 1 00 |
| Pincushion..... | Tina Gansner, Quincy..... | 50 |
| Embroidered scarf..... | Cecilia Hogan, Quincy..... | 1 00 |
| Fancy tidy..... | Ruth Clough, Quincy..... | 50 |
| Cotton quilt..... | Edith Keddle, Quincy..... | 2 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------------|--------|
| Scrap album | Della Neal, Quincy | \$1 00 |
| Lamp mat | Ida Dorsch, Quincy | 1 00 |
| Child's dress | Ida Dorsch, Quincy | 1 00 |
| Yeast bread | Ida Dorsch, Quincy | 1 50 |
| Crochet slippers | Cora Dolly, Sierraville | 2 00 |
| Crochet apron | Cora Dolly, Sierraville | 1 00 |
| Outline work | Cora Dolly, Sierraville | 50 |
| Crochet tidy | Cora Dolly, Sierraville | 1 00 |
| Buggy robe | Cora Dolly, Sierraville | 1 50 |
| Embroidered cushion cover | Gerty Morgan, Sierraville | 50 |
| Lemon cake | Ethel Fletcher, Quincy | 1 50 |
| Plain cake | Ethel Fletcher, Quincy | 1 50 |
| Spice cake | Ethel Fletcher, Quincy | 1 50 |
| Pumpkin pie | Ethel Fletcher, Quincy | 50 |
| Cream pie | Ethel Fletcher, Quincy | 50 |
| Duster bag | Stella Bransford, Quincy | 1 00 |
| Outline embroidery | Stella Bransford, Quincy | 1 00 |
| Crochet slippers | Stella Bransford, Quincy | 1 00 |
| Card album | Stella Bransford, Quincy | 1 00 |
| Collection of birds' eggs | Artie Keddie, Quincy | 1 00 |
| Timothy seed | Russ Durbin, Quincy | 1 00 |
| Collection of birds' eggs | Robbie Whitlock, Quincy | 50 |
| CLASS IV. | | |
| Largest collection of oil paintings | Mrs. C. J. Lee, Quincy | 10 00 |
| Flowers in oil | Mrs. W. J. Edwards, Quincy | 5 00 |
| Tinting in water colors | Miss Grace Goodwin, Quincy | 5 00 |
| Porcelain painting | Miss Grace Goodwin, Quincy | 5 00 |
| Tinting in oil | Miss Grace Goodwin, Quincy | 3 00 |
| Plaque painting | Mamie Cate, Quincy | 2 50 |
| Fruits in oil | Mamie Cate, Quincy | 5 00 |
| Painting on china | Mrs. M. L. Durbin, Quincy | 5 00 |
| Pencil drawing | Mrs. M. L. Durbin, Quincy | 2 00 |
| Colored photographs | Mrs. M. L. Durbin, Quincy | 2 00 |
| Charcoal sketches | Mrs. M. L. Durbin, Quincy | 5 00 |
| Crayon drawing | Mrs. M. L. Durbin, Quincy | 5 00 |
| Portrait in oil | Mrs. M. L. Durbin, Quincy | 5 00 |
| Landscape in oil | Mrs. M. L. Durbin, Quincy | 5 00 |
| Largest collection by one person | Mrs. M. L. Durbin, Quincy | 15 00 |
| Sign painting | Ed. Garner, Quincy | 5 00 |
| Specimen of graining | Ed. Garner, Quincy | 5 00 |
| Stuffed birds | Ed. Garner, Quincy | 10 00 |
| Cut flowers | Mrs. J. W. Thompson, Quincy | 2 00 |
| Bouquet | Mrs. J. W. Thompson, Quincy | 3 00 |
| Largest collection of blooming plants | Mrs. R. E. Garland, Quincy | 10 00 |
| Ornamental foliage plants | Mrs. R. E. Garland, Quincy | 5 00 |
| Exhibit of hanging baskets | Mrs. R. E. Garland, Quincy | 2 50 |
| Pen and ink etchings | Maggie Keddie, Quincy | 3 00 |
| Kensington painting | Mrs. H. Luman, Quincy | 2 00 |
| Painted lamp shade | Mrs. H. Luman, Quincy | 2 00 |
| Collection of blooming plants | B. Schneider, Quincy | 5 00 |
| Collection of fuchsias | B. Schneider, Quincy | 5 00 |
| Dried grass and flowers | Dodie Thompson, Quincy | 2 00 |
| Leaf wreath | Mrs. J. G. Maxwell, Quincy | 2 00 |
| Fern leaf cross | Mrs. J. G. Maxwell, Quincy | 2 00 |
| CLASS V. | | |
| Currant jelly | Mrs. W. N. Goodwin, Quincy | 1 00 |
| Honey | Mrs. H. Neseman, Mohawk | 2 50 |
| Strawberry preserves | Mrs. J. Stephan, Quincy | 1 00 |
| Plum jelly | Mrs. J. Stephan, Quincy | 2 00 |
| Currant jelly | Mrs. J. Stephan, Quincy | 1 00 |
| Fruit cake | Mrs. J. Stephan, Quincy | 2 00 |
| Bread | Mrs. C. J. Lee, Quincy | 2 00 |
| Plum preserves | Mrs. C. J. Lee, Quincy | 1 00 |
| Raspberry jam | Mrs. C. J. Lee, Quincy | 1 00 |
| Currant jam | Mrs. B. Schneider, Quincy | 2 00 |
| Sponge cake | Mrs. B. Schneider, Quincy | 1 00 |
| White currant jelly | Mrs. B. Schneider, Quincy | 1 00 |
| Raspberry jam | Mrs. B. Schneider, Quincy | 2 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------|--------------------------------|--------|
| Crabapple jelly | Miss Mamie Cate, Quincy | \$1 00 |
| Preserved plums | Mrs. M. Johnson, Quincy | 1 00 |
| Preserved apples | Mrs. M. Johnson, Quincy | 2 00 |
| Preserved peaches | Mrs. M. Johnson, Quincy | 2 00 |
| Fruit cake | Mrs. M. Johnson, Quincy | 2 00 |
| Wild gooseberry jelly | Mrs. A. L. Price, Quincy | 1 00 |
| Plum jelly | Mrs. A. L. Price, Quincy | 2 00 |
| Crabapple jelly | Mrs. A. L. Price, Quincy | 1 00 |
| Dried apples | Mrs. W. A. Blakesley, Quincy | 1 00 |
| Crystallized apples | H. C. Flournoy, Genesee | 2 00 |
| Apple butter | Mrs. M. Ebberts, Quincy | 2 00 |
| Blackberry jelly | Mrs. M. Ebberts, Quincy | 1 00 |
| Light bread | Mrs. W. H. Leek, Quincy | 1 00 |
| Spiced currants | Mrs. W. H. Leek, Quincy | 2 00 |
| Blackberry jelly | Mrs. H. P. Wormley, Quincy | 2 00 |
| Pear preserves | Mrs. H. P. Wormley, Quincy | 2 00 |
| Black currant jelly | Miss Clara Root, Quincy | 1 00 |
| Sponge cake | Miss Clara Root, Quincy | 1 00 |
| Rye bread | Mrs. William Schlatter, Quincy | 2 00 |
| Salt-rising bread | Mrs. M. W. Robinson, Toll Gate | 2 00 |
| Tomato catsup | Mrs. M. W. Robinson, Toll Gate | 1 00 |
| Grape catsup | Mrs. M. W. Robinson, Toll Gate | 2 00 |
| Cookies | Miss Emma Robinson, Toll Gate | 2 00 |
| Fancy cake | Miss Emma Robinson, Toll Gate | 2 00 |
| Graham bread | Miss Emma Robinson, Toll Gate | 2 00 |
| Peach preserves | Miss Emma Robinson, Toll Gate | 1 00 |
| Brown bread | Mabel Kaulback, Quincy | 2 00 |
| Corn bread | Mabel Kaulback, Quincy | 2 00 |
| Raspberry jelly | Mrs. J. W. Thompson, Quincy | 2 00 |
| Apple jelly | Mrs. J. W. Thompson, Quincy | 1 00 |
| Assorted pickles | Mrs. J. W. Thompson, Quincy | 1 00 |
| Pound cake | Mrs. H. White, Quincy | 2 00 |
| Roll butter | J. W. Thompson, Quincy | 5 00 |
| Salt-rising bread | Mrs. J. W. Larison, Quincy | 1 00 |
| Strawberry preserves | Miss Maggie Keddie, Quincy | 2 00 |
| Roll butter | Mrs. John Barker, Quincy | 2 50 |
| Nut cake | Mrs. W. Schneider, Quincy | 2 00 |
| Cookies | Mrs. John Barker, Quincy | 1 00 |
| Biscuits | Mrs. John Barker, Quincy | 2 00 |
| Keg butter | John McBeth, Prattville | 10 00 |
| Keg butter | T. Benner, Prattville | 5 00 |
| Corn bread | Mrs. L. G. Chatfield, Quincy | 1 00 |
| Cherry preserves | Mrs. J. W. Thompson, Quincy | 2 00 |
| Cheese | Charles Bonta, Mohawk | 5 00 |
| Strawberry preserves | Mrs. J. S. Bransford, Mohawk | 1 00 |
| Decorated cake | Mrs. W. Schneider, Mohawk | 2 00 |
| Cheese | Ezra Church, Beckwith | 2 50 |
| Gooseberry jelly | Mrs. M. Prichard, Sierraville | 2 00 |
| Granulated butter | Miss Mamie Cate, Quincy | 3 00 |
| Loaf L. W. bread | Mrs. G. G. Clough, Quincy | 10 00 |
| Loaf L. W. bread | Mrs. R. E. Garland, Quincy | 5 00 |
| CLASS VI. | | |
| Red tomatoes | Mrs. O. Terrill, Crescent | 5 00 |
| White Beauty apples | Mrs. O. Terrill, Crescent | 2 50 |
| Sweet peas | J. W. Thompson, Quincy | 2 00 |
| Sugar beets | J. H. Larison, Quincy | 2 00 |
| Belgian carrots | J. H. Larison, Quincy | 2 00 |
| Turnip beets | D. R. Cate, Quincy | 2 00 |
| Yellow Danver carrots | D. R. Cate, Quincy | 2 00 |
| Clark's Favorite pears | D. R. Cate, Quincy | 2 50 |
| Wheat | Mrs. M. Johnson, Quincy | 10 00 |
| Bellflower apples | W. A. Blakesley, Quincy | 2 50 |
| Late Rose potatoes | D. Robertson, Quincy | 5 00 |
| Four best varieties of apples | D. Robertson, Quincy | 10 00 |
| Mangel-wurzels | H. C. Flournoy, Genesee | 2 00 |
| Nectarines | H. C. Flournoy, Genesee | 2 50 |
| Mammoth Prolific potatoes | J. H. Yeates, Quincy | 5 00 |
| White Danver onions | J. H. Yeates, Quincy | 4 00 |
| Batty's Red apples | J. H. Yeates, Quincy | 2 50 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|------------------------------------|--|--------|
| Spitzenberg apples | J. H. Yeates, Quincy | \$2 50 |
| Rutabagas | J. H. Yeates, Quincy | 2 00 |
| Oats | D. R. Finlayson, Quincy | 10 00 |
| Timothy seed | D. R. Finlayson, Quincy | 2 00 |
| Wheat in head | D. R. Finlayson, Quincy | 2 00 |
| Summer squash | D. R. Finlayson, Quincy | 3 00 |
| Dakota Red potatoes | George Donnenworth, Taylorsville | 5 00 |
| Celery | George Donnenworth, Taylorsville | 4 00 |
| Yellow Danver onions | George Donnenworth, Taylorsville | 4 00 |
| Watermelons | George Donnenworth, Taylorsville | 3 00 |
| Potiron pumpkins | George Donnenworth, Taylorsville | 5 00 |
| Parry's sugar corn | George Donnenworth, Taylorsville | 2 00 |
| Popcorn | George Donnenworth, Taylorsville | 2 00 |
| Early Crawford peaches | Robert Martin, Taylorsville | 2 50 |
| Late Crawford peaches | Robert Martin, Taylorsville | 2 50 |
| Cooper's Seedling peaches | Robert Martin, Taylorsville | 2 50 |
| Strawberries | Robert Martin, Taylorsville | 2 50 |
| French prunes | Robert Martin, Taylorsville | 2 50 |
| Hungarian prunes | Robert Martin, Taylorsville | 2 50 |
| Muskmelons | Robert Martin, Taylorsville | 3 00 |
| Twenty-ounce Pippin apples | Robert Martin, Taylorsville | 2 50 |
| Fall Pippin apples | Robert Martin, Taylorsville | 2 50 |
| Cauliflower | A. Robinson, Toll Gate | 4 00 |
| Everett potatoes | S. Dorothy, Quincy | 5 00 |
| Kentucky red top | J. M. Cadle, Greenville | 2 00 |
| Drumhead cabbage | J. G. Maxwell, Quincy | 4 00 |
| Winningstadt cabbage | J. G. Maxwell, Quincy | 4 00 |
| Red Dutch cabbage | J. G. Maxwell, Quincy | 4 00 |
| Field peas | J. L. Betterton, Quincy | 2 00 |
| Egg plums | Wm. Schlatter, Quincy | 2 50 |
| Second best variety of pears | Florian Gansner, Quincy | 5 00 |
| Second best variety of plums | Florian Gansner, Quincy | 2 50 |
| Crabapples | John Clinch, Quincy | 2 50 |
| Bunch of peppers | J. H. Larison, Quincy | 2 50 |
| N. Y. apples | B. F. Chandler, Quincy | 2 50 |
| Red Centennial potatoes | D. R. Cate, Quincy | 5 00 |
| Parsnips | D. R. Cate, Quincy | 2 00 |
| Racehorse oats | D. R. Cate, Quincy | 10 00 |
| King apples | Mrs. H. G. Dorsch, Quincy | 2 50 |
| Rye | E. D. Hosselkus, Genesee | 5 00 |
| Best display of apples | J. H. Yeates, Quincy | 20 00 |
| Best display of fruits | H. C. Flournoy, Genesee | 20 00 |
| Bottle wine | J. W. Thompson, Quincy | 5 00 |
| Display of fancy goods | Mrs. T. C. Lee, Quincy | 15 00 |
| Display of eggs | Mrs. Wm. Schlatter, Quincy | 8 00 |
| Turning in wood | Wm. Kinsey, Quincy | 5 00 |
| Molding | Wm. Kinsey, Quincy | 5 00 |
| Keg beer | Wm. Schlatter, Quincy | 5 00 |
| Box hops | John Clinch, Quincy | 2 00 |
| Soda water, etc. | McKenzie Bros., Greenville | 5 00 |
| Hardware | H. G. Dorsch, Quincy | 10 00 |
| Tinware | H. G. Dorsch, Quincy | 5 00 |
| Spring wagon | J. W. McIntyre, Greenville | 20 00 |
| Farm wagon | J. W. McIntyre, Greenville | 15 00 |
| Scroll work | G. F. Fletcher, Quincy | 5 00 |
| Photographic display | Murry Dunham, Quincy | 10 00 |
| Display of printing | A. L. Price, Quincy | 10 00 |
| Display of millinery | Mrs. Maggie Hall, Quincy | 10 00 |

SPEED PROGRAMME.

MONDAY, SEPTEMBER 21, 1891.

RACE No. 1—TROTTING.

District. Purse, \$250. Miles heats, best three in five.

| | | | | |
|---|---|---|---|---|
| Lewis & West's br. m. Nellie Moody, by Almont; dam, by Belmont..... | 1 | 2 | 1 | 1 |
| J. S. Carter's g. c. J C, by Victor; dam, Lucy..... | 2 | 1 | 2 | 2 |
| C. A. Holcomb's br. m. Bess McClellan, by Joker; dam, Kate..... | 3 | 3 | 3 | 3 |

Time—2:58; 3:01; 3:01; 3:02.

RACE No. 2—TROTTING.

District. Purse, \$250. One half mile and repeat.

| | | |
|---|---|---|
| W. H. Thoms' Fireman, by Engineer; dam, Rose..... | 1 | 1 |
| W. H. Killeby's Nellie Payne, by Gus Payne; dam, unknown..... | 2 | 2 |
| M. Dunham's Gus Wilkes, by Jim Wilkes; dam, Jennie D..... | 3 | 3 |

Time—1:55; 1:36½.

RACE No. 3—RUNNING.

Running Stake; \$25 entrance; \$100 added; \$10 payable at time of entrance; \$15 day preceding race; \$10 forfeit. Three quarters of a mile.

| | |
|--|---|
| J. B. Roberts' Jo D, by Cousin Vic; dam, by Lodi..... | 1 |
| J. R. Knox's Duke Bolinger, by Billy Bolinger; dam, Belle D..... | 2 |
| Jo Dyson's Tillie McCarty, by Cousin Vic; dam, by Lodi..... | 3 |

Time—1:30.

RACE No. 4—RUNNING.

Purse, \$150. One quarter of a mile and repeat.

| | | |
|--|---|---|
| Laffoon & Martin's Tom Benton, by Billy Bolinger; dam, unknown..... | 1 | 1 |
| J. Finlayson's Shine Maton, by Billy Bolinger; dam, by Dutchman..... | 2 | 2 |
| J. Stephan's Red Rock; pedigree unknown..... | 3 | 3 |
| C. A. Holcomb's Lightning; pedigree unknown..... | 4 | 4 |

Time—0:23; 0:24.

TUESDAY, SEPTEMBER 22, 1891.

RACE No. 5—TROTTING.

Free for all. Purse, \$350. Mile heats, best three in five.

| | | | |
|---|---|---|---|
| H. E. Lewis' Nevada, by Nevada; dam, Alice Barnes..... | 1 | 1 | 1 |
| John Gale's St. Lucas; pedigree unknown..... | 2 | 2 | 2 |
| M. Biggs, Jr.'s Viola, by John Nelson; dam, Nettie Lambert..... | 3 | 3 | 3 |

Time—2:39½; 2:39½; 2:37½.

RACE No. 6—TROTTING.

Purse, \$250. Mile heats, best three in five.

| | | | | |
|---|---|---|---|------|
| John Gale's Susie B, by Pasha; dam, Viola..... | 2 | 1 | 1 | 1 |
| Lewis & West's Nellie Moody, by Almont; dam, by Belmont | 1 | 2 | 2 | 2 |
| McManus & Kirkpatrick's Harry Z, by Button; dam, Lady Lightfoot, by Chieftain | 3 | 3 | 3 | dis. |

Time—2:47; 2:50½; 2:51; 2:45.

RACE No. 7—RUNNING.

Purse, \$150. Three quarters of a mile.

| | |
|--|---|
| Laffoon & Martin's Klickitat, by Montana; dam, Rockland Maid | 1 |
| J. Stephan's Red Rock; pedigree unknown | 2 |
| J. B. Roberts' Jo D, by Cousin Vic; dam, by Lodi | 3 |
| B. C. Lorich's Hermes, by Billy Bolinger; dam, Pet. | 4 |

Time—1:20.

RACE No. 8—RUNNING.

Purse, \$200. One mile.

| | |
|--|---|
| Jo Dyson's Ottawa, by Cousin Vic; dam, by Lodi | 1 |
| Dennison Bros.' Dave Douglas, by Leinster; dam, Lily Simpson | 2 |
| S. M. Roberts' Snuff Box, by Ballot Box; dam, Lucy | 3 |

Time—1:46.

WEDNESDAY, SEPTEMBER 23, 1891.

RACE No. 9—TROTTING.

For district two-year olds. Purse, \$300. Mile heats, best two in three.

| | | | |
|--|---|---|---|
| W. H. Thomas' Quincy, by Alex Button; dam, Nell H | 3 | 1 | 1 |
| Sam Kingdon's Daisy K, by Victor; dam, by Plumas | 1 | 2 | 3 |
| J. S. Bransford's Fred Mc, by Engineer; dam, Lunette | 2 | 3 | 2 |

Time—2:58; 3:00; 3:00.

RACE No. 10—RUNNING.

District. Purse, \$100. One half mile.

| | |
|---|---|
| J. Stephan's Red Rock; pedigree unknown | 1 |
| C. W. Cole's Bay Billy, by Billy Bolinger; dam, unknown | 2 |
| J. Finlayson's Shine Maton, by Billy Bolinger; dam, by Dutchman | 3 |

Time—0:51½.

RACE No. 11—RUNNING.

Running stake for two-year olds; \$25 entrance; \$100 added; \$10 payable at time of entrance; \$15 previous to day of race; \$10 forfeit. One half mile.

| | |
|---|---|
| J. R. Knox's Duke Bolinger, by Billy Bolinger; dam, Belle D | 1 |
| Tony Henderson's Mollie H, by Snuff Box; dam, by Idaho | 2 |
| Jo Dyson's Tillie McCarty, by Cousin Vic; dam, by Lodi | 3 |

Time—0:56.

RACE NO. 12—RUNNING.

Purse, \$300. Mile and repeat.

| | | |
|--|---|---|
| Jo Dyson's Ottawa, by Cousin Vic; dam, by Lodi..... | 1 | 1 |
| Dennison Bros.' Dave Douglas, by Leinster; dam, Lily Simpson | 2 | 2 |
| S. M. Roberts' Snuff Box, by Ballot Box; dam, Lucy..... | 3 | 3 |
| T. W. Wilson's Joaquin, by Three Cheers..... | 4 | 4 |

Time—1:48; 1:49.

RACE NO. 13—RUNNING.

Handicap for district horses; \$10 entrance; \$5 declaration; \$100 added; \$30 to second; third to save entrance. One mile.

| | |
|--|---|
| J. B. Roberts' Jo D, by Cousin Vic; dam, by Lodi..... | 1 |
| B. Treasure's Red Eye, by Snuff Box; dam, by Joe Lewis | 2 |
| Jo Dyson's Cellingwood, by Cousin Vic; dam, by Lodi | 3 |

Time—1:52½.

THURSDAY, SEPTEMBER 24, 1891.

RACE NO. 14—TROTTING.

Free for all. Purse, \$700. Mile heats, best three in five.

| | | | | | |
|---|---|---|---|---|---|
| H. E. Lewis' Nevada, by Nevada; dam, Alice Barnes..... | 2 | 1 | 2 | 1 | 1 |
| M. Biggs, Jr.'s, Ed Biggs, by Brigadier; dam, thoroughbred..... | 1 | 2 | 1 | 2 | 2 |
| John Gale's St. Lucas | 3 | 3 | 3 | 3 | 3 |

Time—2:36; 2:33½; 2:34; 2:33; 2:35.

RACE NO. 15—TROTTING.

For district three-year olds and under. Purse, \$350. Mile heats, best three in five.

| | | | |
|--|------|---|---|
| S. Kingdon's Daisy K, by Victor; dam, by Plumas | 1 | 1 | 1 |
| W. H. Thom's Quincy, by Alex Button; dam, Nell H | 2 | 2 | 2 |
| D. M. McIntyre's Maud Mc, by Engineer; dam, by Plumas..... | dis. | | |
| W. Foreman's Sir Solomon V, by Victor; dam, by Red Cloud | dis. | | |

Time—2:55; 2:54; 2:48.

RACE NO. 17—RUNNING.

District. Purse, \$150. One half mile.

| | |
|--|---|
| J. Stephan's Red Rock; pedigree unknown | 1 |
| C. W. Cole's Bay Billy, by Billy Bolinger | 2 |
| J. B. Roberts' Jo D, by Cousin Vic; dam, by Lodi | 3 |
| B. C. Lorch's Hermes, by Billy Bolinger | 4 |

Time—0:51.

RACE NO. 18—RUNNING.

Purse, \$200. One and one quarter miles.

| | |
|---|---|
| Jo Dyson's Ottawa, by Cousin Vic; dam, by Lodi..... | 1 |
| Dennison Bros.' Dave Douglas, by Leinster; dam, Lily Simpson..... | 2 |
| S. M. Roberts' Snuff Box, by Ballot Box; dam, Lucy..... | 3 |

Time—2:17.

FRIDAY, SEPTEMBER 25, 1891.

RACE No. 19—TROTTING.

Free for all. Purse, \$300. Mile heats, best three in five.

| | | | | | |
|---|------|---|---|-----|---|
| D. McIntyre's Maxwell, by Wm. Tell | 3 | 2 | 1 | 1 | 1 |
| John Gale's St. Lucas; pedigree unknown | 2 | 1 | 2 | 2 | 2 |
| M. Biggs, Jr.'s, Viola, by John Nelson; dam, Nettie Lambert | 1 | 3 | 3 | dr. | |
| McManus & Kirkpatrick's Harry Z, by Button; dam, Lady Lightfoot | dis. | | | | |

Time—2:39; 2:41; 2:37; 2:37; 2:39.

RACE No. 20—TROTTING.

For district four-year olds and under. Purse, \$250. Mile heats, best three in five.

| | | | | | |
|--|---|---|---|---|--|
| J. S. Bransford's Fred Mc, by Engineer; dam, Lunette | 1 | 1 | 2 | 1 | |
| W. Foreman's Sir Solomon V, by Victor; dam, by Red Cloud | 2 | 2 | 1 | 2 | |
| J. S. Carter's Thurman, by Victor; dam, Lucy | 3 | 3 | 3 | 3 | |

Time—3:00; 3:00; 3:00; 3:01.

RACE No. 21—RUNNING.

Purse, \$200. One half mile and repeat.

| | | | | |
|--|---|---|--|--|
| Laffoon & Martin's Klickitat, by Montana; dam, Rockland Maid | 1 | 1 | | |
| J. Stephan's Red Rock; pedigree unknown | 2 | 2 | | |
| J. B. Roberts' Jo D, by Cousin Vic; dam, by Lodi | 3 | 3 | | |

Time—0:50; 0:52.

RACE No. 22—RUNNING.

District. Purse, \$150. Five eighths of a mile.

| | | | | |
|--|---|--|--|--|
| Charles Cusick's Jim Mace; pedigree unknown | 1 | | | |
| S. M. Roberts' Snuff Box, by Ballot Box; dam, Lucy | 2 | | | |
| J. Stephan's Red Rock; pedigree unknown | 3 | | | |

Time—1:05.

TRANSACTIONS

OF THE

TWELFTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the Counties of Lake and Mendocino.

OFFICERS OF THE ASSOCIATION.

| | |
|--------------------|------------|
| J. M. MANNON..... | President. |
| R. E. DONOHOE..... | Secretary. |
| BANK OF UKIAH..... | Treasurer. |

DIRECTORS.

| | |
|----------------------|----------------|
| D. ALEXANDER..... | Upper Lake. |
| L. G. SIMMONS..... | Lakeport. |
| JOHN S. REED..... | Laytonville. |
| JOHN MEWHINNEY..... | Potter Valley. |
| M. KEATINGE..... | Lower Lake. |
| WM. J. HILDRETH..... | Ukiah. |
| J. M. MANNON..... | Ukiah. |

REPORT.

UKIAH, February 9, 1892.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Twelfth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

R. E. DONOHOE,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | |
|--|-------------------|
| Membership tickets | \$315 00 |
| Season tickets | 25 60 |
| Saloon and pool privilege | 251 60 |
| Peanut stand privilege | 87 60 |
| Gate receipts | 939 70 |
| Race entries | 685 00 |
| Hack licenses | 78 00 |
| Pavilion receipts | 218 25 |
| Stand privilege at Pavilion | 57 60 |
| Restaurant privilege | 10 00 |
| Hay | 60 00 |
| Lumber | 28 70 |
| Amount received from Lake County | 60 54 |
| Amount due from the State | 2,500 00 |
| | <u>\$5,293 19</u> |

Expenditures.

| | |
|--|-------------------|
| Purses | \$1,795 00 |
| Printing and advertising | 185 00 |
| Hay | 194 23 |
| Music | 150 00 |
| Building, rent, merchandise, and labor | 1,682 11 |
| Refund on membership ticket | 5 00 |
| Expenses of Directors to and from fair | 83 90 |
| Opening address | 25 00 |
| Lakeport claims | 51 45 |
| Premiums | 847 00 |
| Refunded entrance money (race off) | 20 00 |
| Secretary's salary | 100 00 |
| | <u>\$5,138 69</u> |

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------|---------|
| CLASS II—STANDARD TROTTERS—STALLIONS. | | |
| Eucalyptus, four years old | A. W. Foster, Hopland | \$10 00 |
| Ante Sur, two years old | D. B. Wright, Hopland | 12 00 |
| Advocate, four years old and over | A. B. Rodman, Lakeport | 20 00 |
| Count Anteeo, three years old | C. S. Piner, Kelseyville | 16 00 |
| CLASS III—NORMANS OR PERCHERONS—STALLIONS. | | |
| Capitaine, under one year | A. W. Foster, Hopland | 8 00 |
| MARES. | | |
| Sylvia, four years old and over | A. W. Foster, Hopland | 16 00 |
| Mariette, under one year | A. W. Foster, Hopland | 6 00 |
| CLASS IV—CLYDESDALES—STALLIONS. | | |
| Cairn Broggie Keir, four years old and over | William Eadie, Noyo | 20 00 |
| CLASS VIII—ROADSTERS—STALLIONS. | | |
| Frank Leslie (gelding) | L. W. Babcock, Ukiah | 8 00 |
| Black Ralph, Jr., four years old and over | C. S. Piner, Kelseyville | 10 00 |
| Sur Del, Jr., three years old | H. A. Eldred, Covelo | 8 00 |
| MARES. | | |
| Vi A, one year old | A. Adams | 4 00 |
| Belle, four years old and over | W. A. Hagans, Ukiah | 8 00 |
| Susie, three years old | A. C. Perry, Covelo | 5 00 |
| —, suckling | A. Doolittle | 4 00 |
| DOUBLE TEAMS. | | |
| Dom Pedro and Ralph | T. A. Templeton, Ukiah | 20 00 |
| CLASS IX—HORSES OF ALL WORK—STALLIONS. | | |
| Starlight, four years old and over | W. J. Hildreth, Ukiah | 10 00 |
| MARES. | | |
| Dolly, four years old and over | J. A. Poague, Upper Lake | 8 00 |
| Dolly, three years old | John Taylor, Ukiah | 6 00 |
| CLASS X—CARRIAGE HORSES. | | |
| Best span | J. M. Sleeper, Upper Lake | 20 00 |
| CLASS XII—SADDLE HORSES. | | |
| "Sorrel" | Susie Reed, Laytonville | 10 00 |
| CLASS XIII—JACKS. | | |
| Beecher | J. A. Poague, Upper Lake | 20 00 |
| MISCELLANEOUS. | | |
| Span of horses, Rock and Boulder | John Crawford, Largo | 10 00 |
| Span of mares, two and four years old | W. J. Hildreth, Ukiah | 10 00 |
| Span of mares, one year old | D. O. Shattuck, Ukiah | 5 00 |
| Mare, two years old | A. Doolittle, Lake County | 5 00 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|----------------------------------|---------|
| CLASS I—DURHAMS—BULLS. | | |
| M. D. Hopkins, three years old..... | D. O. Shattuck, Ukiah | \$20 00 |
| COWS. | | |
| Belle, three years old..... | W. C. Prince, Willits | 20 00 |
| Rose, two years old..... | W. C. Prince, Willits | 12 00 |
| CLASS II—JERSEYS—COWS. | | |
| —, three years old..... | L. W. Babcock, Ukiah | 20 00 |
| CLASS VI—HOLSTEINS—COWS. | | |
| Pomo Maid 1st, three years old..... | John Mewhinney, Potter Valley .. | 20 00 |
| Pomo Maid 2d, two years old | John Mewhinney, Potter Valley .. | 12 00 |
| Pomo Maid 3d, one year old..... | John Mewhinney, Potter Valley .. | 8 00 |
| CLASS VII—POLLED ANGUS—BULLS. | | |
| Landlord, three years old..... | John Mewhinney, Potter Valley .. | 20 00 |
| CLASS VIII—GRADED CATTLE—COWS. | | |
| Chloe, three years old..... | John Mewhinney, Potter Valley .. | 10 00 |
| Duchey, two years old..... | John Mewhinney, Potter Valley .. | 8 00 |
| CALVES. | | |
| Dick and Pretty | John Mewhinney, Potter Valley .. | 2 00 |

THIRD DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------|---------|
| SHEEP. | | |
| French Merino ram..... | G. W. Cox, Cloverdale | \$10 00 |
| POULTRY. | | |
| One pair Langshans..... | L. D. Hargis, Jr., Ukiah | 2 00 |
| One pair Partridge Cochins..... | John Taylor, Ukiah..... | 2 00 |
| One pair Partridge Cochins (special) | Ukiah Poultry Co., Ukiah..... | 2 00 |
| One pair Plymouth Rocks..... | Ukiah Poultry Co., Ukiah..... | 2 00 |
| One pair Leghorns..... | L. D. Hargis, Jr., Ukiah | 2 00 |
| Houdan hen..... | Ukiah Poultry Co., Ukiah..... | 1 00 |
| Houdan cock..... | L. D. Hargis, Jr., Ukiah | 1 00 |
| One pair Silver-spangled Hamburgs..... | Mrs. T. L. Barnes, Ukiah..... | 2 00 |
| One pair Wyandottes..... | Mrs. R. McGarvey, Ukiah..... | 2 00 |
| One pair Seabright Bantams..... | A. Chalfant, Ukiah..... | 2 00 |
| One pair Black-breasted Red Game Bantams..... | A. Chalfant, Ukiah..... | 2 00 |
| One pair Minorcas..... | Ukiah Poultry Co., Ukiah..... | 1 00 |

DEPARTMENTS AT PAVILION.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------|------------------------------------|--------|
| GRAINS. | | |
| Australian wheat..... | Charles Busch, Potter Valley | \$2 50 |
| White club wheat..... | Charles Busch, Potter Valley | 2 50 |
| Sheaf of Australian wheat..... | John Mewhinney, Potter Valley .. | 2 50 |
| Sheaf of white club wheat..... | John Mewhinney, Potter Valley .. | 2 50 |
| Common barley..... | John Mewhinney, Potter Valley .. | 2 50 |
| Sheaf of beardless barley..... | John Mewhinney, Potter Valley .. | 2 50 |
| Sheaf of timothy..... | John Mewhinney, Potter Valley .. | 2 50 |

DEPARTMENTS AT PAVILION—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|----------|
| VEGETABLES. | | |
| Irish potatoes | N. E. Hoak, Comptche | \$5 00 |
| Sweet potatoes | John Mewhinney, Potter Valley .. | 5 00 |
| Squash | John Mewhinney, Potter Valley .. | 1 00 |
| Pumpkins | D. Alexander, Upper Lake | 1 00 |
| Tomatoes | Mrs. Horton, Ukiah | 1 00 |
| Cabbage | N. E. Hoak, Comptche | 1 00 |
| Watermelon | M. Howard, Ukiah | 1 00 |
| Cantaloupe | W. W. Fisher, Ukiah | 1 00 |
| Muskmelon | W. W. Fisher, Ukiah | 1 00 |
| Beans | E. H. Smith, Ukiah | 1 00 |
| Beets | N. E. Hoak, Comptche | 1 00 |
| FRUITS. | | |
| Apples | N. E. Hoak, Comptche | 5 00 |
| Pears | John Mewhinney, Potter Valley .. | 5 00 |
| Peaches | J. R. Thomas, Calpella | 5 00 |
| Prunes | George Whitehorn, Ukiah | 5 00 |
| Quinces | N. E. Hoak, Comptche | 3 00 |
| Grapes | John Mewhinney, Potter Valley .. | 3 00 |
| Nuts | L. P. Berger, Lakeport | 2 00 |
| Table of fruits | John Mewhinney, Potter Valley .. | 10 00 |
| Fruit in glass | Mrs. Horton, Ukiah | 10 00 |
| Jellies | Mrs. A. O. Carpenter, Ukiah | 10 00 |
| Jams | Mrs. A. O. Carpenter, Ukiah | 5 00 |
| Pickles | Mrs. Horton, Ukiah | 2 50 |
| Brandied peaches | Mrs. C. Smith, Ukiah | 2 50 |
| Dried peaches | L. P. Berger, Upper Lake | 2 50 |
| Dried apples | L. P. Berger, Upper Lake | 2 50 |
| Dried plums | L. P. Berger, Upper Lake | 2 50 |
| Dried prunes | Geo. Whitehorn, Ukiah | 10 00 |
| Dried apricots | L. P. Berger, Upper Lake | 2 50 |
| Dried pears | L. P. Berger, Upper Lake | 2 50 |
| Dried figs | L. P. Berger, Upper Lake | 2 50 |
| Table grapes | L. P. Berger, Upper Lake | 5 00 |
| Wine grapes | L. P. Berger, Upper Lake | 5 00 |
| MANUFACTURES. | | |
| Set double buggy harness | J. F. Edmunds, Ukiah | 5 00 |
| Set single buggy harness | J. F. Edmunds, Ukiah | 5 00 |
| Harness and saddles | J. F. Edmunds, Ukiah | 5 00 |
| Leather | John Fraser, Ukiah | 5 00 |
| Furniture | Cunningham & Son, Ukiah | 5 00 |
| WINES. | | |
| Zinfandel | L. P. Berger, Upper Lake | Diploma. |
| Riesling | L. P. Berger, Upper Lake | Diploma. |
| FANCY WORK. | | |
| Afghan | Mrs. C. Smith, Ukiah | \$2 00 |
| Arrasene work | Mrs. Cannon, Ukiah | 2 00 |
| Couching work | Mrs. Whelan, Ukiah | 2 00 |
| Crochet in cotton | Mrs. C. Smith, Ukiah | 1 00 |
| Crochet in silk | Mrs. Whelan, Ukiah | 2 00 |
| Drawn work, Spanish | Alice Fox, Ukiah | 3 00 |
| Lady's dress | Mrs. G. McCowen, Ukiah | 3 00 |
| Embroidery, cotton | Nellie Wadsworth, Ukiah | 2 00 |
| Embroidery, silk | Sacred Heart Convent, Ukiah | 2 00 |
| Turkish embroidery | Laura Fraser, Ukiah | 2 00 |
| Worsted embroidery | Mrs. C. Smith, Ukiah | 1 00 |
| Worsted embroidery, cross-stitch | Mrs. Cannon, Ukiah | 2 00 |
| Etching | Mrs. Whelan, Ukiah | 2 00 |
| Fire screen | Mrs. G. McCowen, Ukiah | 2 00 |
| Hearth rug | Mrs. G. Hudson, Ukiah | 2 00 |
| Hemstitching | Mrs. C. Smith, Ukiah | 1 00 |
| Kensington crewel | Mrs. Whelan, Ukiah | 2 00 |
| Stitch work in chenille | Mrs. Whelan, Ukiah | 2 00 |
| Fancy knitting | Mrs. Whelan, Ukiah | 1 00 |
| Lambrequin | Mrs. C. Smith, Ukiah | 1 00 |
| Point lace | Mrs. Whelan, Ukiah | 2 00 |

DEPARTMENTS AT PAVILION—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|------------------------------------|----------|
| Netting..... | Mrs. E. Carothers, Ukiah..... | \$1 00 |
| Ottoman cover..... | Mrs. Whelan, Ukiah..... | 2 00 |
| Patchwork..... | Mrs. D. M. Copsey, Ukiah..... | 1 00 |
| Crazy silk patchwork..... | Mrs. G. Hudson, Ukiah..... | 2 00 |
| Knit quilt..... | Mrs. C. Oppenlander, Comptche..... | 2 00 |
| Ribbon work..... | Mrs. Whelan, Ukiah..... | 2 00 |
| Table scarf..... | Mrs. Whelan, Ukiah..... | 2 00 |
| Family sewing machine..... | J. W. Eversole, Ukiah..... | 2 00 |
| Sofa cushion, embroidered..... | Mrs. Whelan, Ukiah..... | 2 00 |
| Stockings..... | Mrs. T. L. Barnes, Ukiah..... | 1 00 |
| Toilet set, three pieces..... | Mrs. C. Smith, Ukiah..... | 2 00 |
| Hand sewing, four pieces..... | Alice Chalfant, Ukiah..... | 2 50 |
| Tatting..... | Mrs. Burgess..... | 2 00 |
| Cotton embroidery..... | Alice Chalfant, Ukiah..... | 2 00 |
| Silk quilt..... | Mrs. C. Green, Covelo..... | 2 00 |
| Patchwork quilt..... | Mrs. Ogle, Ukiah..... | 2 00 |
| Suit of underclothes..... | Mrs. J. J. Miller, Ukiah..... | 2 00 |
| Hand-made shirt..... | Alice Chalfant, Ukiah..... | 2 00 |
| EDUCATIONAL. | | |
| Educational exhibit..... | Ukiah School, Ukiah..... | 10 00 |
| Map of Twelfth District..... | Pearl Fine, Ukiah..... | 10 00 |
| Essay on resources of Twelfth District..... | Frank Perkins, Ukiah..... | 10 00 |
| Specimen of penmanship..... | Charles Hargrave, Mendocino..... | 5 00 |
| Set single entry books..... | Rosa Sides, Potter Valley..... | 10 00 |
| Essay on progress of agriculture..... | Bessie Hook, Ukiah..... | 10 00 |
| ART DEPARTMENT. | | |
| Oil painting, landscape..... | L. J. Reeves, Ukiah..... | 5 00 |
| Oil painting, portrait..... | Mrs. G. Hudson, Ukiah..... | 5 00 |
| Oil painting, flowers..... | Mrs. G. McCowen, Ukiah..... | 2 50 |
| Oil painting, animals..... | Mrs. A. O. Carpenter, Ukiah..... | 2 50 |
| Oil painting, fruit..... | Sacred Heart Convent, Ukiah..... | 2 50 |
| Oil painting, landscape..... | Julia Menke, Ukiah..... | 2 50 |
| Oil painting, textile fabrics..... | Julia Menke, Ukiah..... | 2 50 |
| Oil painting, portrait..... | Mrs. B. Haines, Ukiah..... | 2 50 |
| Oil painting, flowers..... | Mrs. Carpenter, Ukiah..... | 2 50 |
| Water color..... | Mrs. G. Hudson, Ukiah..... | 2 00 |
| Crayon portrait..... | Julia Menke, Ukiah..... | 2 00 |
| Crayon drawing..... | Bertha Luce, Ukiah..... | 2 00 |
| Pen drawing..... | Pearl Fine, Ukiah..... | 2 00 |
| Pen drawing..... | E. Cerf, Ukiah..... | 2 00 |
| Charcoal drawing..... | E. Cerf, Ukiah..... | 1 50 |
| Pencil drawing..... | Bertha Luce, Ukiah..... | 1 50 |
| Oil painting..... | Julia Menke, Ukiah..... | 2 50 |
| Crayon drawing..... | M. Hirsch, Ukiah..... | 2 00 |
| Pencil drawing..... | May Waugh, Ukiah..... | 1 50 |
| Charcoal drawing..... | E. Cerf, Ukiah..... | 1 50 |
| Collection of paintings, etc..... | E. Cerf, Ukiah..... | 4 00 |
| FLORAL. | | |
| Box of plants..... | Mrs. C. Smith, Ukiah..... | 5 00 |
| Cut flowers..... | Mrs. Cunningham, Ukiah..... | 2 00 |
| Cut roses..... | Carl Purdy, Ukiah..... | 2 00 |
| Ferns..... | Mrs. C. Smith, Ukiah..... | 1 00 |
| Begonias..... | Mrs. C. Smith, Ukiah..... | 1 00 |
| Coleus..... | Mrs. C. Smith, Ukiah..... | 1 00 |
| Geraniums..... | Mrs. T. Charlton, Ukiah..... | 1 00 |
| BUTTER, CAKE, ETC. | | |
| Family cake..... | Mrs. K. Mathews, Ukiah..... | 1 00 |
| Two loaves bread..... | Mrs. Chalfant, Ukiah..... | 2 00 |
| Butter..... | N. E. Hoak, Comptche..... | 2 50 |
| SPECIAL MENTION. | | |
| Incubator..... | T. A. Atkinson, Ukiah..... | Diploma. |

BABY SHOW.

| Premium. | Name. | Award. |
|-------------------|---------------------------------|---------|
| First prize..... | Edna Jacobs, Ukiah..... | \$10 00 |
| Second prize..... | Floyd Onyet, Round Valley | 6 00 |
| Third prize..... | Lydia Beckley, Ukiah..... | 4 00 |

SPEED PROGRAMME.

TUESDAY, SEPTEMBER 29, 1891.

RACE No. 1—RUNNING.

For saddle horses. Purse, \$75; entrance, \$7 50. One half mile.

| | |
|----------------------------------|---|
| James McCulloch's b. g. Bay Dick | 1 |
| S. Hornbrook's b. g. Pete Dorsey | 2 |
| S. Hopkins' br. m. Pepperbox | 3 |
| John Poe's s. m. Starlight | 4 |

Time—0:52 $\frac{3}{4}$.

RACE No. 2—TROTTING.

For two-year olds. Purse, \$150; entrance, \$15. Mile heats, best two in three.

| | |
|-------------------------------------|---|
| R. J. Hudson's b. m. Wisteria | 1 |
| Hopland Stock Farm's s. m. Grace F. | 2 |
| J. L. Wisecarver's b. m. Anteolo | 3 |

Time—3:14 $\frac{1}{2}$; 3:14 $\frac{1}{2}$; 3:12 $\frac{1}{2}$.

RACE No. 3—TROTTING.

3:00 Class. Purse, \$120; entrance, \$15. Mile heats, best three in five.

| | |
|---------------------------------|---|
| Smith & Hill's blk. g. Smoothy | 1 |
| Thomas Charlton's b. g. Warwick | 2 |

Time—2:42 $\frac{3}{4}$; 2:44.

WEDNESDAY, SEPTEMBER 30, 1891.

RACE No. 4—RUNNING.

District. Purse, \$120; entrance, \$15. Three quarters of a mile.

| | |
|----------------------------------|---|
| S. Hopkins' b. g. Ace Full | 1 |
| J. H. Smith's s. g. Fox | 2 |
| S. Hornbrook's b. g. Pete Dorsey | 3 |

Time—1:21 $\frac{1}{2}$.

RACE No. 5—TROTTING.

Free for all stallions. Purse, \$200; entrance, \$25. Mile heats, best three in five.

| | |
|-----------------------------|---|
| L. H. Boggs' b. s. Keepsake | 1 |
| W. P. Fine's b. s. Sunset | 2 |

Time—2:40 $\frac{1}{2}$; 2:36; 2:41 $\frac{1}{2}$; 2:42; 2:42 $\frac{1}{2}$.

RACE No. 6—TROTTING.

Match race. Purse, \$120. Mile heats, best three in five.

| | | | |
|---------------------------------|---|---|---|
| Hopland Stock Farm's Myletta | 1 | 1 | 1 |
| G. L. Hilderbrand's Belle Emmet | 2 | 2 | 2 |

Time—2:55; 2:55; 2:52.

THURSDAY, OCTOBER 1, 1891.

RACE No. 7—RUNNING.

Purse, \$100; entrance, \$10. Seven eighths of a mile.

| | |
|--|------|
| S. Hopkins' b. g. Ace Full | 1 |
| G. W. McClendon's br. m. Pepperbox | 2 |
| F. C. Mosier's b. m. Mollie B | dis. |

Time—1:40½.

RACE No. 8—TROTTING.

Purse, \$100; entrance, \$10. Mile heats, best three in five.

| | | | |
|---|------|---|---|
| C. S. Piner's blk. s. Black Ralph, Jr. | 1 | 1 | 1 |
| W. A. Hagan's br. s. Sam Tilden | 2 | 2 | 2 |
| J. D. Hollingsworth's b. s. Mendocino Chief | dis. | | |

Time—2:58; 2:54; 2:52.

RACE No. 9—TROTTING.

Purse, \$135; entrance, \$15. Mile heats, best three in five.

| | |
|--|---|
| Smith & Hill's blk. g. Smoothy | 1 |
| Thomas Charlton's b. g. Warwick | 2 |
| J. L. Wisecarver's g. g. Plowboy | 3 |

Time—2:41; 2:42½; 2:43½; 2:45½.

FRIDAY, OCTOBER 2, 1891.

RACE No. 10—RUNNING.

Purse, \$150; entrance, \$15. Five eighths of a mile.

| | |
|---|---|
| W. B. Sanborn's b. g. Pat Carroll | 1 |
| S. Hornbrook's b. g. Pete Dorsey | 2 |
| John Coon's b. g. Tan Bark | 3 |
| S. Hopkins' b. g. Ace Full | 0 |
| W. B. Sanborn's s. g. Jimmie C | 0 |

Time—1:05.

RACE No. 11—TROTTING.

Free for all. Purse, \$240; entrance, \$30. Mile heats, best three in five.

| | |
|-------------------------------------|---|
| A. B. Rodman's b. m. Pattie P | 1 |
| W. P. Fine's b. s. Sunset | 2 |
| L. H. Boggs' b. s. Keepsake | 3 |

Time—2:39½; 2:36; 2:38; 2:37; 2:40.

SATURDAY, OCTOBER 3, 1891.

RACE No. 12—TROTTING.

Purse, \$100; entrance, \$10. Mile heats, best three in five.

| | |
|------------------------------------|---|
| W. P. Fine's b. s. Sunset | 1 |
| Dan McGovern's g. g. Plowboy | 2 |
| L. B. Doe's blk. g. Smoothy | 3 |

Time—2:37; 2:36½; 2:38; 2:39; 2:39½.

RACE No. 13—RUNNING.

Free for all. Purse, \$60; entrance, \$20, added. One half mile.

| | |
|--|---|
| Smith, Hogan & Co.'s s. g. Fox..... | 1 |
| W. B. Sanborn's b. g. Pat Carroll..... | 2 |

Time—0:51½.

RACE No. 14—TROTTING.

Purse, \$60; entrance, \$10. Mile heats, best three in five.

| | |
|--|------|
| C. S. Piner's blk. s. Black Ralph, Jr..... | 1 |
| W. P. Fine's b. m. Eva G..... | 2 |
| G. L. Hilderbrand's b. m. Belle Emmet..... | dis. |

Time—2:45; 2:46½.

LADIES' TOURNAMENT.

Entrance, \$5. First premium, \$24; second, \$12; third, \$5.

Entries: Mrs. L. W. Babcock, of Ukiah; Miss S. Reed, of Laytonville; Miss M. Yansey, of Ukiah.

Mrs. L. W. Babcock received first prize; Miss S. Reed, second prize; Miss M. Yansey, third prize.

TRANSACTIONS
OF THE
THIRTEENTH DISTRICT AGRICULTURAL ASSOCIATION
For the Year 1891,
Composed of the Counties of Yuba, Sutter, and Yolo.

OFFICERS OF THE ASSOCIATION.

W. T. ELLIS President.
G. R. ECKHART Secretary.
A. D. CUTTS Treasurer.

DIRECTORS.

W. T. ELLIS Marysville.
G. W. HUTCHINS Yuba County.
G. W. WOODARD Yolo, Yolo County.
M. MARCUSE Marysville.
D. E. KNIGHT Marysville.
C. A. GLIDDEN Yuba County.
A. D. CUTTS Marysville.
C. N. THARSING Sutter County.

REPORT.

WOODLAND, October 22, 1891.

To the honorable the State Board of Agriculture :

GENTLEMEN: The Directors of the Thirteenth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

J. H. MAGOFFEY,
Assistant Secretary for Yolo County.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|---------------------------------------|------------|--------------------|
| Privileges | \$1,959 00 | |
| Gate receipts, single admission | 2,969 50 | |
| Season tickets | 1,958 00 | |
| Entries to races | 2,800 00 | |
| Due from the State | 3,000 00 | |
| | | <u>\$12,684 50</u> |

Expenditures.

| | | |
|---|------------|--------------------|
| Purses for races | \$5,675 00 | |
| Premiums at Park and Pavilion | 2,321 50 | |
| Expenses fitting up Pavilion | 602 42 | |
| Music, lights, and rent for Pavilion | 600 00 | |
| Printing and advertising | 375 30 | |
| Salary of Secretary | 300 00 | |
| Labor at track | 616 82½ | |
| Incidental expenses | 91 90 | |
| Paid Yolo Agricultural Association for one year's rent for grounds, track, etc.* | 1,500 00 | |
| Hay for stock, etc. | 413 12 | |
| Balance | 188 43½ | |
| | | <u>\$12,684 50</u> |

*The above amount of rent equals 6 per cent interest on the investment of the Yolo Agricultural Association, which we had to pay in order to secure grounds for stock exhibit and track.

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|----------------------------------|---------|
| CLASS I—THOROUGHBRED HORSES—STALLIONS. | | |
| Red Iron | John Dinsdale, Woodland | \$20 00 |
| CLASS II—STANDARD HORSES—STALLIONS. | | |
| Alex Button, three years old and over | G. W. Woodard, Yolo | 20 00 |
| —, three years old and over | M. M. Garoutte, Woodland | 15 00 |
| Clairwood, two years old | W. A. Stephens, Woodland | 15 00 |
| Romeo, under one year | Clement Herton, Woodland | 5 00 |
| MARES. | | |
| Winnie, three years old | John H. Hopkins, Yolo | 15 00 |
| Yolo Queen, three years old | Otto Schluer, Woodland | 10 00 |
| Yolo Girl, one year old | Otto Schluer, Woodland | 10 00 |
| Chip, one year old | J. H. Martin, Woodland | 5 00 |
| FAMILIES. | | |
| Alex Button and colts | G. W. Woodard, Yolo | 20 00 |
| CLASS III—GRADED HORSES—STALLIONS. | | |
| Harwood, three years old and over | W. Hays, Madison | 20 00 |
| —, three years old and over | P. Fitzgerald, Woodland | 10 00 |
| Brigaur, two years old | T. P. Coats, Dunnigan | 7 50 |
| —, one year old | Conrad Gottwals, Yuba City | 10 00 |
| —, one year old | F. Hiatt, Dunnigan | 5 00 |
| MARES. | | |
| May, five years old | T. B. Coats, Dunnigan | 15 00 |
| Stella B, three years old | J. W. Marshall, Woodland | 7 50 |
| FAMILIES. | | |
| Alpha and colts | F. Hiatt, Woodland | 15 00 |
| CLASS IV—HORSES OF ALL WORK—STALLIONS. | | |
| Jim Douglas, Jr., three years old and over | H. C. Gable, Woodland | 15 00 |
| Nelson Almont, nine years old | W. D. Campbell, Woodland | 7 50 |
| MARES. | | |
| Nellie, five years old | G. A. Pierce, Woodland | 10 00 |
| CLASS V—NORMAN HORSES. | | |
| Salvador, stallion, three years old | G. W. Evans, Woodland | 15 00 |
| Best pair of draft horses, tested on ground | G. W. Woodard, Yolo | 15 00 |
| CLASS VIII—ROADSTERS—STALLIONS. | | |
| Charley Almont, three years old and over | J. Cunningham, Blacks | 15 00 |
| Altonas, six years old | G. W. Oliver, Woodland | 7 50 |
| MARES. | | |
| Ladylike, three years old | J. W. Gibson, Woodland | 10 00 |
| Bettie Button, three years old and over | J. Sovereign, Woodland | 5 00 |
| Cora, two years old | Pete Frialt, Woodland | 8 00 |
| Belle D, two years old | H. Giguere, Yolo | 4 00 |
| GELDINGS. | | |
| Billy | W. D. Campbell, Madison | 10 00 |
| Pete | Frank Getchell, Woodland | 5 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--|---------|
| CLASS IX—ROADSTER TEAMS. | | |
| Grant and Mulgay | F. N. Henrich, Madison | \$10 00 |
| Dock and Charlie | T. B. Gibson, Woodland | 8 00 |
| CLASS X—CARRIAGE HORSES. | | |
| Best matched carriage team | G. S. Marshall, Capay | 10 00 |
| Daisy | M. H. Torrance, Woodland | 6 00 |
| May | J. D. Brophy, Woodland | 3 00 |
| CLASS XI—SADDLE HORSES. | | |
| Walker Montrose | W. M. Billups, Colusa | 5 00 |
| White Wings | J. G. Crutcher, Woodland | 2 50 |
| CLASS XII—COLTS. | | |
| Mischief, yearling stallion colt | W. H. Arcell, Woodland | 10 00 |
| Flora, yearling mare colt | W. H. Welch, Woodland | 8 00 |
| Maria B, yearling mare colt | W. M. Billups, Colusa | 4 00 |
| —, suckling horse colt | D. A. Jackson, Woodland | 5 00 |
| —, suckling horse colt | Conrad Gottwals, Yuba City | 2 50 |
| —, suckling mare colt | Snel. Harris, Sutter County | 5 00 |
| —, suckling mare colt | Frank Hiatt, Blacks | 2 00 |
| CLASS XIII—SWEEPSTAKES. | | |
| Alex Button, best stallion | G. W. Woodard, Yolo | 25 00 |
| Winnie, best mare | G. W. Griffin, Dunnigan | 15 00 |
| CLASS XIV—JACKS AND MULES. | | |
| Best jack, three years old and over | Gottlieb Mast, Capay | 10 00 |
| Yolo, best jack two years old | H. P. Merritt, Woodland | 7 50 |
| Best jenny, three years old and over | H. P. Merritt, Woodland | 5 00 |
| Best span of mules | J. E. Bandy, Woodland and Capay | 10 00 |
| CATTLE.—CLASS I—DURHAMS—BULLS. | | |
| —, one year old | Sutter Develop't Co., Marysville | 5 00 |
| Lord Sharon, two years old | Mrs. Asa Morris, Yolo | 8 00 |
| COW. | | |
| Christiania, three years old | W. B. Gibson, Woodland | 12 00 |
| CLASS II—JERSEYS. | | |
| Two-year old bull | H. C. Buford, Woodland | 8 00 |
| Four-year old cow | H. C. Buford, Woodland | 12 00 |
| Three-year old cow | H. C. Buford, Woodland | 8 00 |
| Two-year old cow | H. C. Buford, Woodland | 8 00 |
| One-year old cow | H. C. Buford, Woodland | 5 00 |
| Suckling calf | H. C. Buford, Woodland | 3 00 |
| CLASS VII—HOLSTEINS. | | |
| Jacob Kingsbury, three-year old bull | H. C. Howard, Woodland | 15 00 |
| CLASS IX—GALLOWAYS—BULLS. | | |
| Fred, three years old | W. B. Gibson, Woodland | 15 00 |
| Duke, one year old | W. B. Gibson, Woodland | 5 00 |
| Wanda 5th, calf | W. B. Gibson, Woodland | 3 00 |
| Wanda 4th, suckling calf | W. B. Gibson, Woodland | 2 00 |
| COWS. | | |
| Nevada, three years old | W. B. Gibson, Woodland | 12 00 |
| Laura Funk, three years old | W. B. Gibson, Woodland | 8 00 |
| Miss Hanning 2d, two years old | W. B. Gibson, Woodland | 8 00 |
| Reno, two years old | W. B. Gibson, Woodland | 4 50 |
| Nevada 2d, one year old | W. B. Gibson, Woodland | 5 00 |
| Miss Hanning 3d, one year old | W. B. Gibson, Woodland | 2 50 |
| Rossie, calf | W. B. Gibson, Woodland | 3 00 |
| CLASS X—SWEEPSTAKES. | | |
| Best Galloway herd | W. B. Gibson, Woodland | 20 00 |
| Best Jersey herd | H. C. Buford, Woodland | 20 00 |
| Best graded cow | H. P. Merritt, Woodland | 10 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------|---------|
| CLASS XIII—MERINO SHEEP. | | |
| Ram two years old and over, ram one year old, three ram lambs, pen of five ewes two years old and over, pen of five ewes one year old, pen of five ewe lambs, and ram and five lambs..... | F. Bullard, Woodland..... | \$30 00 |
| POULTRY. | | |
| White Leghorns..... | Mrs. James Marshall, Capay..... | 1 50 |
| Barred Plymouth Rocks..... | W. F. Jeans, Woodland..... | 1 50 |
| White Leghorn pullets..... | W. F. Jeans, Woodland..... | 1 50 |
| Black-breasted Bantams..... | G. S. Marshall, Capay..... | 1 50 |
| Imperial ducks..... | W. F. Jeans, Woodland..... | 1 50 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|------------------------------------|---------------------------------------|--------|
| CLASS I. | | |
| Pride of Butte wheat..... | E. H. Archer, Madison..... | \$5 00 |
| Club wheat..... | W. B. Gibson, Woodland..... | 5 00 |
| CLASS II. | | |
| Chevalier barley..... | E. H. Archer, Madison..... | 3 00 |
| Buckwheat..... | H. B. Riggins, Sutter County..... | 3 00 |
| Corn..... | H. B. Riggins, Sutter County..... | 3 00 |
| Broomcorn seed..... | H. B. Riggins, Sutter County..... | 3 00 |
| Alfalfa seed..... | H. B. Riggins, Sutter County..... | 3 00 |
| CLASS III. | | |
| Fifty pounds ground barley..... | J. L. Patterson, Woodland..... | 5 00 |
| Exhibit of flour..... | Madison Roller Mills, Madison..... | 15 00 |
| Sack wheat flour..... | Madison Roller Mills, Madison..... | 5 00 |
| Fifty pounds rolled barley..... | Madison Roller Mills, Madison..... | 5 00 |
| CLASS IV. | | |
| Exhibit of green tobacco..... | A. M. Eaton, Woodland..... | 5 00 |
| Exhibit of broomcorn..... | W. H. McMillan, Woodland..... | 2 00 |
| Exhibit of hops..... | H. B. Riggins, Sutter County..... | 5 00 |
| Egyptian corn on stalk..... | H. B. Riggins, Sutter County..... | 3 00 |
| Cut broomcorn..... | H. B. Riggins, Sutter County..... | 3 00 |
| CLASS V. | | |
| General exhibit of vegetables..... | H. B. Riggins, Sutter County..... | 10 00 |
| General exhibit of vegetables..... | John Collier, Knight's Landing..... | 5 00 |
| White corn (green)..... | W. H. McMillan, Woodland..... | 1 00 |
| Cucumbers..... | John Collier, Knight's Landing..... | 1 00 |
| Parsnips..... | John Collier, Knight's Landing..... | 1 00 |
| Carrots..... | John Collier, Knight's Landing..... | 1 00 |
| Blood beets..... | John Collier, Knight's Landing..... | 1 00 |
| Watermelons..... | John Collier, Knight's Landing..... | 1 00 |
| Sugar beets..... | L. A. Merritt, Merritt's Station..... | 1 00 |
| White potatoes..... | H. B. Riggins, Sutter County..... | 1 00 |
| Early Rose potatoes..... | H. B. Riggins, Sutter County..... | 2 00 |
| Sweet potatoes..... | H. B. Riggins, Sutter County..... | 3 00 |
| Greatest variety of potatoes..... | H. B. Riggins, Sutter County..... | 2 00 |
| Red onions..... | H. B. Riggins, Sutter County..... | 2 00 |
| White onions..... | H. B. Riggins, Sutter County..... | 2 00 |
| Yellow onions..... | H. B. Riggins, Sutter County..... | 1 00 |
| Tomatoes..... | H. B. Riggins, Sutter County..... | 1 00 |
| Sweet corn (green)..... | H. B. Riggins, Sutter County..... | 1 00 |
| Yellow corn (green)..... | H. B. Riggins, Sutter County..... | 1 00 |
| White corn (green)..... | H. B. Riggins, Sutter County..... | 1 00 |
| Cabbage..... | H. B. Riggins, Sutter County..... | 1 00 |
| Crookneck squash..... | H. B. Riggins, Sutter County..... | 1 00 |
| Other variety squash..... | H. B. Riggins, Sutter County..... | 1 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|--------------------------------------|--------|
| Cantaloupe melons | H. B. Riggins, Sutter County..... | \$1 00 |
| Two melons, different varieties | H. B. Riggins, Sutter County..... | 2 00 |
| Green beans | H. B. Riggins, Sutter County..... | 1 00 |
| Citrons | H. B. Riggins, Sutter County..... | 1 00 |
| Pumpkins | H. B. Riggins, Sutter County..... | 1 00 |
| White pea beans | H. B. Riggins, Sutter County..... | 1 00 |
| Ohio beans | H. B. Riggins, Sutter County..... | 1 00 |
| Pole beans | H. B. Riggins, Sutter County..... | 1 00 |
| Chile beans | H. B. Riggins, Sutter County..... | 1 00 |
| Wool | F. Bullard, Woodland..... | 5 00 |
| CLASS IX. | | |
| Best variety of peaches | D. A. Jackson, Woodland..... | 5 00 |
| Second best | H. B. Riggins, Sutter County..... | 2 00 |
| Quinces | E. Gallup, Woodland..... | 3 00 |
| Quinces | L. G. Stone, Woodland..... | 2 00 |
| Plums | E. A. Dopking, Woodland..... | 5 00 |
| Peaches, six varieties | H. B. Riggins, Sutter County..... | 10 00 |
| Pears, three varieties | H. B. Riggins, Sutter County..... | 5 00 |
| Peaches, three varieties | H. B. Riggins, Sutter County..... | 5 00 |
| Best exhibit of green fruit | Business Men's Assoc., Woodland..... | 50 00 |
| Second best | H. B. Riggins, Sutter County..... | 25 00 |
| CLASS X. | | |
| Pomegranates | L. G. Stone, Woodland..... | 2 00 |
| Navel oranges, on limb | D. A. Jackson, Woodland..... | 10 00 |
| Figs | E. A. Dopking, Woodland..... | 2 00 |
| Blackberries | H. B. Riggins, Sutter County..... | 2 00 |
| CLASS XI. | | |
| Best general exhibit of grapes | L. G. Stone, Woodland..... | 50 00 |
| Second best | T. H. Ryder, Woodland..... | 25 00 |
| Best display of raisin grapes | L. G. Stone, Woodland..... | 10 00 |
| Second best | D. A. Jackson, Woodland..... | 5 00 |
| Best single bunch of grapes | T. H. Ryder, Woodland..... | 3 00 |
| Second best | L. G. Stone, Woodland..... | 2 00 |
| Best display of raisins | E. J. Clanton, Woodland..... | 10 00 |
| Second best | D. A. Jackson, Woodland..... | 5 00 |
| Best exhibit of seedless grapes | E. A. Dopking, Woodland..... | 5 00 |
| Second best | J. P. Onstott, Sutter County..... | 3 00 |
| Best exhibit of table grapes | W. E. Cole, Capay..... | 10 00 |
| Second best | H. B. Riggins, Sutter County..... | 5 00 |
| CLASS XII. | | |
| Best exhibit of fruit in glass | H. B. Riggins, Sutter County..... | 20 00 |
| Second best | Mrs. L. G. Stone, Woodland..... | 10 00 |
| Best exhibit of jellies | Mrs. L. G. Stone, Woodland..... | 5 00 |
| Second best | Mrs. J. A. De Vilbiss, Winters..... | 3 00 |
| Best exhibit of jams | Mrs. L. G. Stone, Woodland..... | 6 00 |
| Best exhibit of pickles | H. B. Riggins, Sutter County..... | 3 00 |
| Second best | Mrs. E. A. Dopking, Woodland..... | 2 00 |
| Best exhibit of honey in comb | C. H. Glunz, Woodland..... | 3 00 |
| Best exhibit of canned fruits | H. B. Riggins, Sutter County..... | 40 00 |
| Second best | Mrs. J. A. De Vilbiss, Winters..... | 20 00 |
| Best preserves, in glass | H. B. Riggins, Sutter County..... | 5 00 |
| CLASS XIII. | | |
| Best exhibit of dried fruit | D. A. Jackson, Woodland..... | 25 00 |
| Second best | Mrs. J. A. De Vilbiss, Winters..... | 15 00 |
| Best dried peaches | D. A. Jackson, Woodland..... | 5 00 |
| Second best | J. B. Griffin, Winters..... | 3 00 |
| Best dried plums | D. A. Jackson, Woodland..... | 5 00 |
| Second best | W. E. Cole, Capay..... | 3 00 |
| Best dried prunes | J. B. Griffin, Winters..... | 5 00 |
| Second best | D. A. Jackson, Woodland..... | 3 00 |
| Best dried apricots | J. B. Griffin, Winters..... | 3 00 |
| Second best | L. G. Stone, Woodland..... | 2 00 |
| Best dried nectarines | J. B. Griffin, Winters..... | 3 00 |
| Second best | W. E. Cole, Capay..... | 2 00 |
| Best dried pears | L. G. Stone, Woodland..... | 3 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|------------------------------------|-----------|
| Second best dried pears..... | W. E. Cole, Capay | \$2 00 |
| Best dried apples..... | W. E. Cole, Capay | 5 00 |
| Best dried figs..... | W. E. Cole, Capay | 3 00 |
| CLASS XIV. | | |
| Best soft-shell almonds..... | L. B. Cooper, Woodland | 5 00 |
| Second best..... | L. G. Stone, Woodland | 3 00 |
| Best hard-shell almonds..... | L. G. Stone, Woodland | 3 00 |
| Best peanuts..... | H. B. Riggins, Sutter County | 3 00 |
| CLASS XV. | | |
| Flowering plants in bloom..... | A. M. Eaton, Woodland | 5 00 |
| Ornamental foliage plants..... | A. M. Eaton, Woodland | 2 00 |
| New and rare plants..... | A. M. Eaton, Woodland | 2 00 |
| Display of cut flowers..... | A. M. Eaton, Woodland | 10 00 |
| Collection of house plants..... | A. M. Eaton, Woodland | 2 00 |
| Display of hanging baskets..... | A. M. Eaton, Woodland | 5 00 |
| Ornamental grasses..... | A. M. Eaton, Woodland | 2 00 |
| Best and largest display of either trees or plants..... | A. M. Eaton, Woodland | 7 00 |
| Display of white roses..... | W. C. T. U., Woodland | 10 00 |
| Display of bouquets..... | W. C. T. U., Woodland | 2 00 |
| Display of ferns..... | W. C. T. U., Woodland | 3 00 |
| Display of floral pieces..... | A. M. Eaton, Woodland | Sp. 10 00 |
| Single floral piece..... | A. M. Eaton, Woodland | Sp. 3 00 |
| CLASS XVI. | | |
| Best loaf wheat bread..... | Mrs. C. R. Hoppin, Yolo..... | 3 00 |
| Best loaf brown bread..... | Mrs. C. R. Hoppin, Yolo..... | 3 00 |

THIRD DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------------|------------------------------------|--------|
| CLASS I. | | |
| Best post-hole auger..... | M. Diggs, Woodland | \$2 50 |
| Best refrigerator..... | T. B. Gibson & Co., Woodland | 2 50 |
| Best washing machine..... | T. B. Gibson & Co., Woodland | 5 00 |
| Best fruit picker..... | G. Bidall, Woodland | 5 00 |
| CLASS III. | | |
| Best pleasure cart..... | J. Sovereign, Woodland | 10 00 |
| Best track or speed cart..... | J. Sovereign, Woodland | 5 00 |
| Best top buggy made in district..... | H. R. Lack, Woodland | 20 00 |
| Second best..... | J. P. Collins, Davisville | 10 00 |
| Best one-horse family carriage..... | H. R. Lack, Woodland | 20 00 |
| Second best..... | J. P. Collins, Davisville | 10 00 |

FOURTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---------------------------|----------------------------------|---------|
| CLASS I. | | |
| Exhibit of furniture..... | Stavens & Stiner, Woodland | \$25 00 |
| Bed lounge..... | Stavens & Stiner, Woodland | 2 00 |
| Spring bed..... | Stavens & Stiner, Woodland | 2 00 |
| Office chair..... | W. B. Gibson, Woodland | 2 00 |
| Table..... | Stephens & Bean, Woodland | 2 00 |
| Parlor set..... | Stephens & Bean, Woodland | 5 00 |
| Mattress, spring..... | Stephens & Bean, Woodland | 2 00 |
| Set of chairs..... | Stephens & Bean, Woodland | 2 00 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---|--------|
| CLASS II. | | |
| Table cutlery | M. Diggs, Woodland | \$5 00 |
| Pocket cutlery | M. Diggs, Woodland | 5 00 |
| Pruning shears | D. A. Faulkner, Woodland | 2 00 |
| CLASS III. | | |
| Hand-made horseshoes | Donald Crane, Woodland | 3 00 |
| Hand-made horseshoes | B. F. Ready, Woodland | 2 00 |
| Hand-made horseshoes | J. P. Patrey, Yolo | 2 00 |
| Hand-made horseshoes | Y. Tobias, Woodland | 2 00 |
| CLASS IV. | | |
| Best exhibit of harness, saddles, etc. | T. B. Gibson & Co., Woodland | 20 00 |
| Second best | L. Dietz, Woodland | 10 00 |
| Best double harness | T. B. Gibson & Co., Woodland | 5 00 |
| Second best | L. Dietz, Woodland | 3 00 |
| Best single harness | T. B. Gibson & Co., Woodland | 3 00 |
| Best saddle | T. B. Gibson & Co., Woodland | 3 00 |
| Best lady's saddle | T. B. Gibson & Co., Woodland | 3 00 |
| CLASS VI. | | |
| Exhibit of boots and shoes | J. F. Duncan, Woodland | 20 00 |
| Gents' boots | J. F. Duncan, Woodland | 3 00 |
| Ladies' shoes | J. F. Duncan, Woodland | 3 00 |
| CLASS VII. | | |
| Exhibit of leather | T. B. Gibson & Co., Woodland | 10 00 |
| Tanned skin with hair on | T. B. Gibson & Co., Woodland | 2 50 |
| CLASS VIII. | | |
| Exhibit of general hardware | M. Diggs, Woodland | 20 00 |
| Range for family use | T. B. Gibson & Co., Woodland | 5 00 |
| Cooking stove | T. B. Gibson & Co., Woodland | 5 00 |
| Parlor stove | T. B. Gibson & Co., Woodland | 3 00 |
| Gas stove | T. B. Gibson & Co., Woodland | 2 00 |
| Marbleized ironware | T. B. Gibson & Co., Woodland | 2 00 |
| Kitchen goods | T. B. Gibson & Co., Woodland | 5 00 |
| Exhibit of general hardware | T. B. Gibson & Co., Woodland | 10 00 |
| Exhibit of stoves, tinware, etc. | T. B. Gibson & Co., Woodland | 20 00 |
| CLASS IX. | | |
| Sporting instruments | M. Diggs, Woodland | 10 00 |
| Rifle | M. Diggs, Woodland | 5 00 |
| Shotgun | M. Diggs, Woodland | 5 00 |
| CLASS X. | | |
| Sewing machine | C. W. Thomas, Woodland | 10 00 |
| CLASS XI. | | |
| Pianos | Wm. Goeggel, Woodland | 5 00 |
| Organs | Slavens, Walker & Gilbert, Woodland | 5 00 |
| CLASS XIII. | | |
| Display of soap | T. S. Spaulding, Woodland | 10 00 |
| Hand-made soap | T. S. Spaulding, Woodland | 2 00 |
| California olive oil | T. S. Spaulding, Woodland | 5 00 |
| California-made candles | T. S. Spaulding, Woodland | 5 00 |
| California yeast powder | T. S. Spaulding, Woodland | 5 00 |
| CLASS XV. | | |
| Silk cloth, five yards or more | Jacobs Bros., Woodland | 10 00 |
| Cotton cloth, five yards or more | Jacobs Bros., Woodland | 5 00 |
| CLASS XVI. | | |
| Taxidermist's work | Mrs. E. J. Clanton, Woodland | 10 00 |
| CLASS XVII. | | |
| Lock sets | T. B. Gibson & Co., Woodland | 5 00 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------------|--------|
| CLASS XVIII. | | |
| Flower pots | A. M. Eaton, Woodland | \$2 00 |
| Exhibit of crockery and glassware | Smith & Hollingsworth, Woodland | 10 00 |
| One dozen glass fruit jars | Smith & Hollingsworth, Woodland | 2 00 |
| CLASS XIX. | | |
| Gopher trap | M. Diggs, Woodland | 2 00 |

FIFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-------------------------------------|----------|
| CLASS I. | | |
| Exhibit of men's and boy's clothing, etc. | J. & M. Michaels, Woodland | \$10 00 |
| CLASS II. | | |
| Exhibit of dry goods | Jacobs Bros., Woodland | 20 00 |
| Exhibit of fancy goods | Jacobs Bros., Woodland | 10 00 |
| CLASS III. | | |
| Foot mats from rags | St. Luke's Guild, Woodland | 2 00 |
| Display of foot mats | St. Luke's Guild, Woodland | 2 00 |
| CLASS IV. | | |
| Patchwork quilt | Mrs. J. P. Grafton | |
| Knit bedspread | Mrs. M. Black, Blacks | 3 00 |
| Two cotton tidies | A. M. Eaton, Woodland | 2 00 |
| Underwear for lady | St. Luke's Guild, Woodland | 2 00 |
| Best made dress for child | St. Luke's Guild, Woodland | 2 00 |
| Silk quilt | Lizzie Ely, Winters | 3 00 |
| Pillow shams | W. C. T. U., Woodland | 2 00 |
| Suit infant's garments | St. Luke's Guild, Woodland | 2 00 |
| CLASS V. | | |
| Largest and best display of fancy work | St. Luke's Guild, Woodland | 50 00 |
| Sofa pillow | Agnes Bemmerly, Blacks | 2 00 |
| Drawn or Spanish work | St. Luke's Guild, Woodland | 2 00 |
| Embroidered handkerchief | St. Luke's Guild, Woodland | 2 00 |
| Embroidered pillow shams | St. Luke's Guild, Woodland | 2 00 |
| General display of embroidery | W. C. T. U., Woodland | 5 00 |
| CLASS VI. | | |
| Hair wreath | Mrs. L. B. Cooper, Woodland | 2 00 |
| Display of knitting | St. Luke's Guild, Woodland | 2 00 |
| Moss work | St. Luke's Guild, Woodland | 2 00 |
| CLASS VII. | | |
| Crochet work | Eva Jackson, Woodland | 3 00 |
| Hand-made rug | Mrs. G. A. Ogden, Plainfield | 2 00 |
| Pair stockings, hand-knit | St. Luke's Guild, Woodland | 5 00 |
| Pincushion | St. Luke's Guild, Woodland | 2 00 |
| Hand-made lace set | W. C. T. U., Woodland | 3 00 |
| Lace work (toilet set) | W. C. T. U., Woodland | 2 00 |
| Afghan | W. C. T. U., Woodland | 2 00 |
| Piano cover | W. C. T. U., Woodland | 3 00 |
| Table scarf | W. C. T. U., Woodland | 2 00 |
| JUVENILE. | | |
| Worked bed quilt | Emma Laugenour, Woodland | 3 00 |
| Netted tidy | Miss Georgia Fenner, Woodland | 2 00 |
| Button and splint work display | May Freeman, Marysville | Sp. 5 00 |
| Best calico dress | Ruth Armstrong, Woodland | 5 00 |
| Second best | Lula Prindle, Woodland | 4 00 |
| Third best | Mary J. Snaveley, Woodland | 3 00 |
| Fourth best | Nellie Grose, Woodland | 2 00 |

SIXTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|----------|
| CLASS I. | | |
| Best collection of photographs..... | I. A. Levy, Woodland..... | \$10 00 |
| CLASS II. | | |
| Best landscape painting..... | Laura Zimmerman, Woodland..... | 10 00 |
| Second best..... | Kelley Briggs, Woodland..... | 5 00 |
| Best crayon work..... | Lulu Bandy, Woodland..... | 5 00 |
| Second best..... | Mary Cannedy, Winters..... | 3 00 |
| Best pastel work..... | Laura Zimmerman, Woodland..... | 5 00 |
| Best water color painting..... | Lulu Bandy, Woodland..... | 5 00 |
| Second best..... | Hattie A. Everts, Woodland..... | 3 00 |
| Best china painting..... | Mrs. W. J. Hook, Woodland..... | 5 00 |
| Second best..... | Mrs. W. J. Hook, Woodland..... | 3 00 |
| Best pencil drawing..... | Gilbert & Sons, Woodland..... | 3 00 |
| Best crayon portrait..... | Mrs. M. O. Harling, Woodland..... | Sp. 5 00 |
| CLASS III. | | |
| Best design for farm house..... | Gilbert & Sons, Woodland..... | 3 00 |
| Best pen work..... | G. A. Pierce, Woodland..... | 2 00 |
| Best exhibit of penmanship..... | Woodland Business College..... | 3 00 |
| Best samples of card writing..... | R. L. Sinky, Woodland..... | 2 00 |
| Best pen drawing..... | Woodland Business College..... | 2 00 |
| CLASS IV. | | |
| Best display of wax work..... | Miss Agnes Bemmerly, Blacks..... | 3 00 |
| Second best..... | Mrs. E. J. Clanton, Woodland..... | 2 00 |
| Best wax flowers..... | Miss Agnes Bemmerly, Blacks..... | 2 00 |
| Best display of statuary..... | Wm. Goeggel, Woodland..... | 5 00 |
| Best job printing..... | W. R. Ellis, Woodland..... | 7 50 |
| Best book printing..... | W. R. Ellis, Woodland..... | 7 50 |
| Best card printing..... | W. R. Ellis, Woodland..... | 5 00 |
| CLASS VI. | | |
| Best sweet cider..... | Geo. Hitchcock, Woodland..... | 3 00 |
| Best display of mineral waters, etc..... | Geo. Hitchcock, Woodland..... | 10 00 |
| SPECIAL. | | |
| Best display of millinery..... | Miss A. Gorman, Woodland..... | 10 00 |

SPEED PROGRAMME.

TUESDAY, SEPTEMBER 1, 1891.

RACE No. 1—RUNNING.

Purse, \$200. Three quarters of a mile and repeat.

| | | |
|--|------|---|
| E. Pickett's Peregrine, by Joe Hooker..... | 1 | 1 |
| Cy. Mulkey's Guadalupe, by Grinstead..... | 3 | 2 |
| J. E. King's Joker, by Joe Hooker..... | 2 | 3 |
| John Adams' Gibson, by Joe Hooker..... | dis. | |

Time—1:15½; 1:16½.

RACE No. 2—PACING.

For horses without a record. Purse, \$400. Mile heats, best three in five.

| | | | |
|---|---|------|---|
| B. V. Sargent's Keno, by Jim Mulvenna..... | 1 | 1 | 1 |
| W. L. Johnston's Monroe S, by Monroe Chief..... | 2 | 2 | 2 |
| C. H. Corey's Laura M, by Almont Patchen..... | 3 | dis. | |

Time—2:29; 2:23½; 2:24½.

RACE No. 3—TROTTING.

3:00 Class. Purse, \$500. Mile heats, best three in five.

| | | | |
|---|---|------|---|
| J. L. McCord's Shylock, by Tom Benton..... | 1 | 1 | 1 |
| G. W. Woodard's Doc Button, by Alex Button..... | 2 | 2 | 2 |
| Hugh Willis' Our Jack, by Gibraltar..... | 3 | dis. | |

Time—2:34½; 2:26½; 2:32.

WEDNESDAY, SEPTEMBER 2, 1891.

RACE No. 4—RUNNING.

Purse, \$200. Half mile and repeat.

| | | |
|---|------|---|
| A. D. Harrison's Lyda Ferguson..... | 1 | 1 |
| H. Willis' Dewdrop, by Joe Hooker..... | 2 | 2 |
| Samuel Mattux's Early, by Joe Hooker..... | dis. | |

Time—0:49½; 0:48½.

RACE No. 5—TROTTING.

For two-year olds in the district. Purse, \$300. Mile heats, best two in three.

| | | |
|---|---|---|
| H. S. Hogoboom's Lucky B, by Prompter..... | 1 | 1 |
| A. L. Hinds' Hera, by Mambrino Wilkes..... | 2 | 2 |
| W. F. Smith's King of the Ring, by Silver King..... | 3 | 3 |

Time—2:41½; 2:39.

RACE No. 6—TROTTING.

2:30 Class. Purse, \$500. Mile heats, best three in five.

| | | | |
|---|---|------|---|
| G. W. Woodard's Laura Z, by Alex Button | 1 | 1 | 1 |
| M. Biggs, Jr.'s, Ed. Biggs, by Brigadier | 2 | 3 | 2 |
| H. S. Hogoboom's Waldstein, by Director | 4 | 2 | 3 |
| J. N. Anderson's Bay Wilkes, by Mambrino Wilkes | 3 | dis. | |

Time—2:28; 2:25; 2:25½.

THURSDAY, SEPTEMBER 3, 1891.

RACE No. 7—RUNNING.

Purse, \$250. One mile and repeat.

| | | |
|---|---|------|
| Cy. Mulkey's Gladiator | 1 | 1 |
| Dennison Bros.' Dave Douglas | 2 | 2 |
| Sam Mattux's Early, by Joe Hooker | 3 | dis. |

Time—1:46½; 1:47½.

RACE No. 8—TROTTING.

2:40 Class. Purse, \$500. Mile heats, best three in five.

| | | | |
|---|---|-----|---|
| McGraw & De Turk's Myrtle, by Anteeo | 1 | 1 | 1 |
| Ellison & Sanders' W W, by Tilton Almont | 2 | 2 | 2 |
| A. W. Boucher's General Logan, by Alex Button | 3 | 3 | 3 |
| C. R. Hoppin's Cubit | 4 | dr. | |

Time—2:27½; 2:28½; 2:28.

RACE No. 9—TROTTING.

For three-year olds in the district. Purse, \$400.

| | |
|--|-------|
| G. W. Woodard's Lucy B, by Alex Button | W. O. |
|--|-------|

Time—3:00.

FRIDAY, SEPTEMBER 4, 1891.

RACE No. 10—RUNNING.

Purse, \$200. One and one eighth miles.

| | |
|---|---|
| J. E. King's Joker, by Joe Hooker | 1 |
| Dennison Bros.' Dave Douglas | 2 |

Time—1:59½.

RACE No. 11—TROTTING.

2:35 Class. Purse, \$500. Mile heats, best three in five.

| | | | | |
|--|---|---|-----|---|
| J. L. McCord's Shylock, by Tom Benton | 1 | 1 | 3 | 1 |
| C. H. Corey's Rockwood, by Weatherhead's Woodnut | 3 | 2 | 1 | 2 |
| G. W. Woodard's Kehoe, by Alex Button | 2 | 3 | 2 | 3 |
| M. Biggs, Jr.'s, Ed Biggs, by Brigadier | 4 | 4 | dr. | |

Time—2:30; 2:28; 2:29; 2:24½.

RACE No. 12—PACING.

2:25 Class. Purse, \$500. Mile heats, best three in five.

| | | | |
|---|------|---|------|
| W. W. Bates' John L, by Joker | 1 | 1 | 1 |
| Howard Bros.' Howard St. Clair, by Robert St. Clair | 4 | 3 | 2 |
| B. V. Sargent's Keno, by Jim Mulvenna | 3 | 4 | 3 |
| Houser & Nicewonger's George N, by Dorsey's Nephew | 2 | 2 | dis. |
| T. Norton's Norton | dis. | | |

Time—2:24½; 2:22; 2:24.

SATURDAY, SEPTEMBER 5, 1891.

RACE No. 13—RUNNING.

For two-year olds. Purse, \$200. Five eighths of a mile.

| | |
|---|---|
| J. E. King's Red Cloud, by Red Iron | 1 |
| Charles Cockrill's Sam Mount | 2 |
| Dennison Bros.' McGinty | 3 |
| Cy. Mulkey's Zarena | 0 |

Time—1:03½.

RACE No. 14—PACING.

2:20 Class. Purse, \$500. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| H. Willis' Our Dick, by Gibraltar | 1 | 1 | 1 |
| G. W. Woodard's Belle Button, by Alex Button | 2 | 2 | 2 |
| R. H. Newton's Tom Ryder, by Alex Button | 3 | 3 | 3 |

Time—2:20; 2:21½; 2:24.

RACE No. 15—TROTTING.

2:26 Class. Purse, \$600. Mile heats, best three in five.

| | | | |
|---|---|---|---|
| G. W. Woodard's Laura Z, by Alex Button | 1 | 1 | 1 |
| W. W. Marshall's Stranger, by Tilton Almont | 2 | 2 | 2 |

Time—2:23½; 2:26½; 2:27.

SPECIAL RUNNING.

Purse, \$150. Three quarters of a mile.

| | |
|---|---|
| A. D. Harrison's Lyda Ferguson | 1 |
| H. Willis' Dewdrop | 2 |
| Charles Cockrill's Sentella | 3 |
| J. E. King's Joker, by Joe Hooker | 0 |

Time—1:16½.

TRANSACTIONS

OF THE

FOURTEENTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of that part of the County of Santa Cruz west of Aptos Creek.

OFFICERS OF THE ASSOCIATION.

| | |
|---------------------------------|------------|
| L. K. BALDWIN | President. |
| OSCAR L. GORDON | Secretary. |
| CITY BANK (of Santa Cruz) | Treasurer. |

DIRECTORS.

| | |
|-----------------------|-------------|
| L. K. BALDWIN | Santa Cruz. |
| A. NOBLE | Soquel. |
| MARTIN KINSLEY | Santa Cruz. |
| D. M. LOCKE | Santa Cruz. |
| R. C. KIRBY | Santa Cruz. |
| W. H. AIKEN | Wrights. |
| P. T. STRIBLING | Santa Cruz. |
| G. P. LAIRD | Santa Cruz. |

REPORT.

SANTA CRUZ, December 1, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Fourteenth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

OSCAR L. GORDON,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|-------------------------------|----------|------------|
| From sale of tickets | \$550 60 | |
| From sale of privileges | 28 00 | |
| State award | 2,000 00 | |
| | | <hr/> |
| | | \$2,578 60 |
| Overdraft | | 212 48 |
| | | <hr/> |
| | | \$2,789 06 |

Expenditures.

| | | |
|---|------------|------------|
| Paid premiums | \$1,528 50 | |
| Paid for labor and other expenses | 711 83 | |
| Paid overdraft to Fair Building Association | 127 78 | |
| Paid Fair Building Association for rent of Pavilion and stock yard for 1890 | 200 00 | |
| Paid Fair Building Association, interest on money | 22 96 | |
| Paid Fair Building Association for rent of Pavilion and stock yard for 1891 | 200 00 | |
| | | <hr/> |
| | | \$2,789 06 |

ANNUAL ADDRESS.

By D. M. LOCKE.

MR. PRESIDENT, LADIES AND GENTLEMEN: Another year again brings us to this hall and these grounds. Men and women, with their sons and daughters, are here from the rural districts—the grain fields, the stock farm, and the dairy; from the orchards, the vineyards, and the gardens; from the redwoods and mills; from the limekilns, the petroleum and asphaltum mines; from the manufactories in and around the towns and cities—the tanneries, the shoe shops and soap factory, the foundries and machine shops, the blacksmith and wagon shops; from the stores and offices; and last, though not least, have come the ladies, bringing their handiwork, articles of use and ornament, and flowers, without which this fair would be dull and somber. All have come, bringing their offerings, to compare, to observe, and get instruction and profit; and we welcome you all to these grounds and this pavilion, erected and dedicated to this especial use. You are gathered here from one of nature's most favored spots, and it only remains for you to do your part with credit and honor, and the establishment of this fair is to assist you in your work, and no better means has ever been devised for the cultivation, elevation, and improvement of the agricultural districts, and we are amazed at such questions as the following, coming to us from many lands:

"Are the fairs to go out?" "In the general evolution of public sentiment and the activities in the new America—the new California—will the old agricultural and industrial fair find a place?" I think it will, and for reasons which I will presently give.

Some men of influence in Santa Cruz have urged the establishment of a race track, as the only thing that would restore this fair to its deserved importance and usefulness. They do not seem to have noticed that the greatest complaint of lack of patronage and interest in fairs comes from the very places where race tracks are being run at full tilt—as witness, the Bay View Fair at Oakland. The race track has swallowed the agricultural fair, tail and all, and it is a misnomer to call it such, while in some other places they seem to have fared like the two snakes in the story, who got to fighting one day, and each being very persistent, the struggle was long and bloody, until finally each caught the other by the tail and commenced swallowing, and swallowed until at last each had swallowed the other, and nothing remained. But I am not yet done with the race track. I beg leave to quote from an address delivered by the Hon. H. V. Morehouse at Salinas City in 1885, as he expresses my views much more forcibly than I can do it:

"But do we rightly understand that public fairs are only the means of exhibiting the progress of farming, stock raising, and personal skill in every industry? Or do we look upon public fairs as the means of bringing together people skilled in games of chance, to set examples of moral turpitude which steal into the lives of our boys and girls, and warp noble natures capable of great usefulness into beings of vice? I hope not. I hope that the underlying principle of agricultural fairs will

not be lost sight of because surrounding them the pestilential breath of vice sometimes lingers. I hope to see the day when the farming community shall look upon farming with the pride that the inventor looks upon the machinery evolved by the powerful efforts of his mind. I want to see farmers looking upon their work as noble, honorable, and great."

No, the coming fair will be divorced from these pools of pollution that have brought them into bad odor in many places. The union was never a congenial, a happy one. Nothing but mischief and monsters ever came of it.

I have said I thought the fairs would survive. In the settling of every new country, and the establishing of its new industries of every kind, there is always what might be termed a chaotic period or state; first, there is much red tape and vexation and expense in getting title to your lands; then the boundary lines are to be fought over and located; highways laid out and built with much opposition and contrariety; the school district settled, and the house built, etc.; then the climate and soil being new, many failures must result before that experience is gained that makes success certain, and so on through a long catalogue, and lasting many years. Too often during this state of unrest, of uncertainties, and of failures, the farmer is getting behind. A mortgage, small at first, has increased with fearful rapidity under the high compound rate of interest always paid in a new country, and there are debts at stores and shops. Now, these men are apt to get discouraged, and lose confidence in their own judgment; become timid, and lose somewhat of their enterprise and manhood. They are in no mood nor condition to patronize the fair, and yet of all men it is they who need it, and would profit most by the lesson it teaches. Gradually, by the laws of evolution, many of them will come to see this, while those who do not will naturally have to step down and out, and their places will be filled by men of more pluck and enterprise.

The successful farmer of to-day must be well educated, his mind well trained, must be intelligent and quick to comprehend, that he may readily discern his every advantage free from prejudice; that he may freely adopt any new method or device with no regrets for the old; should understand somewhat of mechanics and machinery, as all his operations have so much to do with these; should have deep sympathy with all his brother farmers, always ready to exchange with them, whether materials grown or experience. Then will he have confidence in himself and appreciate his position, be proud of his high and honorable calling, will be in love with it; also will be proud of and in love with his good wife and bright children, and will treat them for what these direct; will dress well, and drive a good team, and when in town will stand up manfully for all his rights, but won't offer to sell any of the above mentioned. Yes, most certainly, he will come to the fair; so will his wife and children, and very probably his most trusted hired man. They cannot afford to lose its lessons. They will come early, lest they miss some one bringing articles about which they must inquire. Of course they bring samples of everything they produce—the best. They are interested in stock—have some at home. They see fine animals at the fair for breeding; they are pleased with them, and learn from their owners all about them. In due time the critical eye sees animals in their pastures and yards astonishingly like them. They are fine, he says, and would sell for enhanced prices.

They also raise grain and vegetables at home. They see some here better than some of theirs. From the owner they learn all about them—kind of soil, when planted, how deeply, what cultivation, etc.—and engage some of the seed and pay a good price for it, in money as good as gold. They raise fruit also at their home, and have samples on exhibition at this fair. Many others have also brought fruit in abundance, some better and some not as good as theirs. Among their fruit are several varieties nameless. From other fruit on exhibition they learn all the names of their own. They find species, too, they must have in their orchards. They make arrangements to get them. And the good wife spoken of above, and her interesting daughters, find much among the flowers and plants and fancy needlework, the paintings, etc., to interest and stimulate them to have some of them in their own home. And the boys? Their organs of wonder and inquisitiveness are greatly excited, and they not only take in the whole affair but carry it home with them, and continue to carry it all the rest of their days. They have had something to do with the tools and implements on the farm at their home. They find many improved ones at this fair that they would like, and they coax their indulgent father to purchase them. And the hired man? Well, now, what about him? "You have overdone this business already; there is nothing in it for him." Patience! Of all the prizes won at the fair this hired man carried off the best. A prize that all the money of his master could not purchase, if it is as good as gold. I believe the story is an old one—"they met by chance, in the usual way"—that is, this hired man and the good farmer's daughter, who had come with her parents to the fair—

"Then prostrate falls, and begs with ardent eyes,
Soon to obtain and long possess the prize."

Curiously enough, this fair daughter brought from her home in the hills exactly the same bloom upon her cheeks that was upon some fruit they brought. That is, she did not get it as is usual, out of the store, but got it just as the fruit got it—out in the sunshine, attending to her poultry and posy beds. Her cheeks look very much like an apple I have seen, especially when one would catch her and that hired man talking so pleasantly together. I think it is called the maiden's blush.

Fair week quickly passes. All the attendance not only thoroughly canvass everything on exhibition, but they freely discuss and exchange ideas upon other matters connected with their business; such, for instance, as the fruit pests that are doing them so much damage, and even threatening the destruction of portions of the industry. Each has learned something about them—of how to circumvent or destroy them, and by exchanging this knowledge each comes to know as much as the whole. To men in the same business there are great advantages in association. They educate each other. The apt, the skillful, bring the slow to near their own standard. And now, ladies and gentlemen, must the fair go? Most emphatically no! In the yet unsettled state of many of our industries; in the sharp competition of rivals; in the fierce and far too often dishonorable strife close upon the heels of every product of the soil for a share (and often it's the lion's they get); in the increasing demand of the consumers that every article shall be first class; in the shortened hours and increased price and unreliability of farm labor, and in the demand for better education, better living, better houses, the farmer cannot succeed without the fair.

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

HORSES.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------------|---------|
| CLASS I—PERCHERONS. | | |
| Stallion, four years old and over..... | Martin Kinsley, Santa Cruz..... | \$10 00 |
| CLASS IV—GRADED HORSES. | | |
| Stallion, four years old and over..... | H. Gilmore, Soquel..... | 6 00 |
| Mare, three years old..... | E. Dakin & Son, Soquel..... | 4 00 |
| Colt, under one year..... | W. Oliver, Soquel..... | 2 00 |
| CLASS V—BUGGY HORSES. | | |
| Span of buggy horses..... | J. P. Parker, Santa Cruz..... | 10 00 |
| Single buggy horse..... | J. S. McPheters, Santa Cruz..... | 6 00 |
| CLASS VI—DRAFT HORSES. | | |
| Span of draft horses..... | Irvin Gray, Santa Cruz..... | 10 00 |
| Gelding, four years old and over..... | Joseph Francis, Santa Cruz..... | 6 00 |
| Gelding, three years old..... | Doyle & Harmon, Santa Cruz..... | 5 00 |
| Colt, one year old..... | F. A. Hihn, Santa Cruz..... | 3 00 |
| Colt, under one year..... | J. M. Rice, Santa Cruz..... | 2 00 |
| CLASS IX—BROOD MARES. | | |
| Brood mare and colt..... | Martin Kinsley, Santa Cruz..... | 8 00 |
| Brood mare and colt..... | G. P. Laird, Santa Cruz..... | 6 00 |
| CLASS XI—JACKS. | | |
| Jack, under one year..... | Stanley Bias, Santa Cruz..... | 2 00 |

CATTLE.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------------|--------|
| CLASS I—DURHAMS. | | |
| Bull, three years old and over..... | G. P. Laird, Santa Cruz..... | \$8 00 |
| Bull, one year old..... | L. K. Baldwin, Santa Cruz..... | 5 00 |
| CLASS II—JERSEYS, ALDERNEYS, AND GUERNSEYS. | | |
| Bull, three years old and over..... | M. M. Shippy, Santa Cruz..... | 8 00 |
| Bull, two years old..... | C. E. Hyde, Santa Cruz..... | 6 00 |
| Cow, three years old..... | C. E. Hyde, Santa Cruz..... | 8 00 |
| Cow, three years old..... | Oscar E. Gordon, Santa Cruz..... | 6 00 |
| Cow, two years old..... | C. E. Hyde, Santa Cruz..... | 6 00 |
| Heifer, one year old..... | C. E. Hyde, Santa Cruz..... | 2 00 |
| Heifer, one year old..... | Martin Kinsley, Santa Cruz..... | 3 00 |
| CLASS III—HOLSTEINS. | | |
| Cow, three years old and over..... | G. P. Laird, Santa Cruz..... | 8 00 |
| CLASS VI—JERSEYS NOT RECORDED. | | |
| Bull, two years old..... | Martin Kinsley, Santa Cruz..... | 8 00 |
| Cow, three years old..... | W. S. Fitch, Santa Cruz..... | 6 00 |
| Cow, three years old..... | M. M. Shippy, Santa Cruz..... | 4 00 |
| Cow, two years old..... | M. M. Shippy, Santa Cruz..... | 4 00 |
| Heifer, one year old..... | M. M. Shippy, Santa Cruz..... | 3 00 |
| Heifer, under one year..... | M. W. Brown, Santa Cruz..... | 2 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|----------------------------|-------------------------------|--------|
| CLASS IX—GRADED DAIRY. | | |
| Cow, three years old | G. P. Laird, Santa Cruz | \$6 00 |
| Cow, three years old | G. P. Laird, Santa Cruz | 4 00 |
| Cow, two years old | G. P. Laird, Santa Cruz | 4 00 |
| Cow, two years old | G. P. Laird, Santa Cruz | 3 00 |
| Heifer, one year old | G. P. Laird, Santa Cruz | 3 00 |
| Heifer, one year old | G. P. Laird, Santa Cruz | 3 00 |
| Calf, under one year | G. P. Laird, Santa Cruz | 1 00 |
| Calf, under one year | W. H. Mason, Soquel | 2 00 |

SHEEP, GOATS, AND SWINE.

| Exhibit. | Exhibitor. | Award. |
|----------------------------|----------------------------------|--------|
| CLASS I—SOUTHDOWN SHEEP. | | |
| Ram | Martin Kinsley, Santa Cruz | \$3 00 |
| Ram | Martin Kinsley, Santa Cruz | 2 00 |
| Ewe | Martin Kinsley, Santa Cruz | 3 00 |
| Ewe | Martin Kinsley, Santa Cruz | 2 00 |
| Ram lambs | Martin Kinsley, Santa Cruz | 2 00 |
| Ewe lambs | Martin Kinsley, Santa Cruz | 2 00 |
| Ewe lambs | Martin Kinsley, Santa Cruz | 1 00 |
| CLASS IV—ANGORA GOATS. | | |
| Ram | J. S. Gilbert, Santa Cruz | 3 00 |
| Ewe | J. S. Gilbert, Santa Cruz | 3 00 |
| Kids | J. S. Gilbert, Santa Cruz | 2 00 |
| CLASS V—ESSEX SWINE. | | |
| Boar, one year old | Martin Kinsley, Santa Cruz | 3 00 |
| Boar, one year old | Martin Kinsley, Santa Cruz | 2 00 |
| Boar, under one year | Martin Kinsley, Santa Cruz | 2 00 |
| Boar, under one year | Martin Kinsley, Santa Cruz | 1 00 |
| Sow, one year old | Martin Kinsley, Santa Cruz | 3 00 |
| Sow, one year old | Martin Kinsley, Santa Cruz | 2 00 |
| Sow, under one year | Martin Kinsley, Santa Cruz | 2 00 |
| Sow, under one year | Martin Kinsley, Santa Cruz | 1 00 |

POULTRY.

| Exhibit. | Exhibitor. | Award. |
|---|------------------------------------|--------|
| CLASS I. | | |
| One pair Gray Dorkins | Martin Kinsley, Santa Cruz | \$2 00 |
| One pair Plymouth Rocks | Carrie Scott, Santa Cruz | 2 00 |
| One pair Light Brahmas | Carrie Scott, Santa Cruz | 2 00 |
| One pair Light Brahmas | Mrs. H. Forbes, Santa Cruz | 1 00 |
| One pair Dark Brahmas | Carrie Scott, Santa Cruz | 2 00 |
| One pair Partridge Cochins | A. Fridley, Santa Cruz | 2 00 |
| One pair Partridge Cochins | Carrie Scott, Santa Cruz | 1 00 |
| One pair White Leghorns | Martin Kinsley, Santa Cruz | 2 00 |
| One pair White Leghorns | Carrie Scott, Santa Cruz | 1 00 |
| One pair Brown Leghorns | Mrs. G. P. Laird, Santa Cruz | 2 00 |
| One pair Brown Leghorns | Harvey Comstock, Santa Cruz | 1 00 |
| One pair Wyandottes | O. A. Longley, Santa Cruz | 2 00 |
| One pair Wyandottes | I. T. Osburn, Santa Cruz | 1 00 |
| One pair Golden Polands | Martin Kinsley, Santa Cruz | 2 00 |
| One pair Houdans | Mrs. H. Forbes, Santa Cruz | 2 00 |
| One pair Silver-spangled Hamburgs | Martin Kinsley, Santa Cruz | 2 00 |
| One pair Silver-spangled Hamburgs | Martin Kinsley, Santa Cruz | 1 00 |
| One pair Duck-wing Game Bantams | Carrie Scott, Santa Cruz | 2 00 |
| One pair Game Bantams | Charles Jones, Santa Cruz | 2 00 |
| One pair Bronze turkeys | Martin Kinsley, Santa Cruz | 3 00 |
| One pair Bronze turkeys | Martin Kinsley, Santa Cruz | 2 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------------|--------|
| One pair Bremen geese | Martin Kinsley, Santa Cruz | \$2 00 |
| One pair Bremen geese | Martin Kinsley, Santa Cruz | 1 00 |
| One pair Toulouse geese | Martin Kinsley, Santa Cruz | 2 00 |
| One pair Toulouse geese | Martin Kinsley, Santa Cruz | 1 00 |
| One pair Rouen ducks | Mrs. H. Forbes, Santa Cruz | 2 00 |
| Largest exhibit of thoroughbred poultry | Martin Kinsley, Santa Cruz | 5 00 |
| Breeding pen of Wyandottes | O. A. Longley, Santa Cruz | 4 00 |
| Breeding pen of Brown Leghorns | A. Fridley, Santa Cruz | 4 00 |
| Breeding pen of Brown Leghorns | Harvey Comstock, Santa Cruz | 2 00 |
| One pair Brown Leghorns | Harvey Comstock, Santa Cruz | 2 00 |
| Breeding pen of Light Brahmas | Carrie Scott, Santa Cruz | 4 00 |
| Breeding pen of Dark Brahmas | Carrie Scott, Santa Cruz | 4 00 |
| One pair slate-colored geese | Honora Aston, Santa Cruz | 2 00 |
| Breeding pen of Black Javas | L. U. McCann, Santa Cruz | 4 00 |
| One pair White Wyandottes | L. U. McCann, Santa Cruz | 2 00 |
| Breeding pen of Black-breasted Game Bantams | Harry Lucas, Santa Cruz | 2 00 |
| One pair Black Minorcas | A. L. Ward, Santa Cruz | 2 00 |
| Breeding pen of Black Minorcas | A. L. Ward, Santa Cruz | 4 00 |

SECOND DEPARTMENT.

AGRICULTURE.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------------|-------------------------------------|--------|
| Sack wheat, fifty pounds | Martin Kinsley, Santa Cruz | \$3 00 |
| Sack barley, fifty pounds | Martin Kinsley, Santa Cruz | 2 00 |
| Bundle wild oats | W. W. Waterman, Laurel | 2 00 |
| Sack white oats, fifty pounds | Martin Kinsley, Santa Cruz | 2 00 |
| Sack black oats, fifty pounds | Joseph Francis, Santa Cruz | 2 00 |
| Sack black oats, fifty pounds | Martin Kinsley, Santa Cruz | 1 00 |
| Sack corn, fifty pounds | H. Gilmore, Soquel | 2 00 |
| Sack potatoes, fifty pounds | G. P. Laird, Santa Cruz | 2 00 |
| Sack beans, fifty pounds | J. S. Young, Santa Cruz | 3 00 |
| Sack beans, fifty pounds | J. S. Young, Santa Cruz | 2 00 |
| Three squash | H. Gilmore, Soquel | 1 50 |
| Three squash | Paul Pioda, Santa Cruz | 1 00 |
| Three pumpkins | Joseph Francis, Santa Cruz | 1 50 |
| Three pumpkins | I. Dakin & Son, Soquel | 1 00 |
| Table beets | W. H. Mason, Soquel | 1 50 |
| Citron melons | Paul Pioda, Santa Cruz | 1 50 |
| Carrots | W. H. Mason, Soquel | 1 50 |
| Feed carrots | G. P. Laird, Santa Cruz | 1 50 |
| Cucumbers | Paul Pioda, Santa Cruz | 1 50 |
| Celery | F. A. Hihn, Santa Cruz | 1 50 |
| Highest stalk of corn | H. Gilmore, Soquel | 1 50 |
| Popcorn | J. M. Dutton, Soquel | 1 50 |
| Popcorn | J. M. Dutton, Soquel | 1 00 |
| Trace of seed corn | H. Gilmore, Soquel | 1 50 |
| Trace of seed corn | F. T. Stribling, Bonny Doon | 1 00 |
| Exhibit of honey | I. Dakin & Son, Soquel | 1 50 |
| Tomatoes | W. H. Mason, Soquel | 1 50 |
| Russian sunflower | Harvey Comstock, Santa Cruz | 1 50 |
| Onions | Mrs. L. U. McCann, Santa Cruz | 1 50 |
| Onions | Mrs. L. U. McCann, Santa Cruz | 1 00 |
| DAIRY PRODUCTS. | | |
| Fresh butter | M. M. Shippy, Santa Cruz | 6 00 |
| Fresh butter | F. D. Baldwin, Santa Cruz | 4 00 |
| Pickled butter | J. Philpini, Santa Cruz | 6 00 |
| Pickled butter | M. M. Shippy, Santa Cruz | 4 00 |
| Cheese | F. Scaroni, Santa Cruz | 6 00 |
| Cheese | G. P. Laird, Santa Cruz | 4 00 |

THIRD DEPARTMENT.

HORTICULTURE.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|---------|
| Largest and best exhibit of fruit..... | I. Dakin & Son, Soquel..... | \$10 00 |
| Second largest and best..... | J. S. Young, Santa Cruz..... | 8 00 |
| Third largest and best..... | A. G. Rose & Bro., Santa Cruz..... | 3 00 |
| APPLES. | | |
| Ten varieties apples..... | Doyle & Harmon, Soquel..... | 6 00 |
| Ten varieties apples..... | J. S. Young, Santa Cruz..... | 3 00 |
| Ten varieties apples..... | I. Dakin & Son, Soquel..... | 2 00 |
| Five varieties apples..... | A. L. Ward, Soquel..... | 4 00 |
| Five varieties apples..... | J. S. Young, Santa Cruz..... | 3 00 |
| Five varieties apples..... | I. Dakin & Son, Soquel..... | 1 00 |
| Bellflower apples..... | A. L. Ward, Soquel..... | 2 00 |
| Bellflower apples..... | A. G. Rose & Bro., Santa Cruz..... | 1 50 |
| Bellflower apples..... | Doyle & Harmon, Soquel..... | 1 00 |
| Newtown Pippin apples..... | A. G. Rose & Bro., Santa Cruz..... | 2 00 |
| Newtown Pippin apples..... | A. L. Ward, Soquel..... | 1 50 |
| Newtown Pippin apples..... | Martin Kinsley, Santa Cruz..... | 1 00 |
| Jonathan apples..... | I. Dakin & Son, Soquel..... | 2 00 |
| Jonathan apples..... | J. S. Young, Santa Cruz..... | 1 50 |
| Jonathan apples..... | A. L. Ward, Soquel..... | 1 00 |
| Baldwin apples..... | I. Dakin & Son, Soquel..... | 2 00 |
| Baldwin apples..... | Martin Kinsley, Santa Cruz..... | 1 50 |
| Baldwin apples..... | J. S. Young, Santa Cruz..... | 1 00 |
| Spitzenberg apples..... | A. L. Ward, Soquel..... | 2 00 |
| Spitzenberg apples..... | I. Dakin & Son, Soquel..... | 1 50 |
| White Winter Pearmain apples..... | A. G. Rose & Bro., Santa Cruz..... | 2 00 |
| White Winter Pearmain apples..... | A. L. Ward, Soquel..... | 1 50 |
| White Winter Pearmain apples..... | W. H. Mason, Soquel..... | 1 00 |
| Red Pearmain apples..... | J. S. Young, Santa Cruz..... | 2 00 |
| Red Pearmain apples..... | A. L. Ward, Soquel..... | 1 50 |
| Rhode Island Greening apples..... | Doyle & Harmon, Soquel..... | 2 00 |
| Rhode Island Greening apples..... | I. Dakin & Son, Soquel..... | 1 50 |
| Rhode Island Greening apples..... | S. M. Place, Bonny Doon..... | 1 00 |
| Alexander apples..... | J. S. Young, Santa Cruz..... | 2 00 |
| Alexander apples..... | J. S. Gilbert, Santa Cruz..... | 1 50 |
| Alexander apples..... | S. M. Place, Bonny Doon..... | 1 00 |
| Fall Pippin apples..... | D. W. Thompson, Santa Cruz..... | 2 00 |
| Fall Pippin apples..... | A. L. Ward, Soquel..... | 1 50 |
| Smith's Cider apples..... | D. W. Thompson, Santa Cruz..... | 1 50 |
| Smith's Cider apples..... | A. L. Ward, Soquel..... | 2 00 |
| Smith's Cider apples..... | J. S. Young, Santa Cruz..... | 1 00 |
| Lawver apples..... | A. G. Rose & Bro., Santa Cruz..... | 2 00 |
| Twenty-ounce Pippin apples..... | W. H. Mason, Soquel..... | 2 00 |
| Skinner's Seedling apples..... | A. G. Rose & Bro., Santa Cruz..... | 2 00 |
| Skinner's Seedling apples..... | J. S. Gilbert, Santa Cruz..... | 1 50 |
| Nickajack apples..... | J. S. Young, Santa Cruz..... | 2 00 |
| Winesap apples..... | J. S. Gilbert, Santa Cruz..... | 2 00 |
| Winesap apples..... | Doyle & Harmon, Soquel..... | 1 50 |
| Winesap apples..... | W. H. Mason, Soquel..... | 1 00 |
| Rambo apples..... | J. S. Young, Santa Cruz..... | 2 00 |
| Northern Spy apples..... | A. G. Rose & Bro., Santa Cruz..... | 2 00 |
| Swaar apples..... | I. Dakin & Son, Soquel..... | 2 00 |
| Swaar apples..... | A. G. Rose & Bro., Santa Cruz..... | 1 50 |
| Swaar apples..... | Doyle & Harmon, Soquel..... | 1 00 |
| White Bellflower apples..... | S. M. Place, Bonny Doon..... | 2 00 |
| Yellow Bellflower apples..... | S. M. Place, Bonny Doon..... | 1 50 |
| Ben Davis apples..... | D. W. Thompson, Santa Cruz..... | 2 00 |
| Ben Davis apples..... | I. Dakin & Son, Soquel..... | 1 50 |
| Ben Davis apples..... | L. U. McCann, Santa Cruz..... | 1 00 |
| Kentucky Red Streak apples..... | A. G. Rose & Bro., Santa Cruz..... | 2 00 |
| Kentucky Red Streak apples..... | J. S. Gilbert, Santa Cruz..... | 1 50 |
| Sonoma Seedling apples..... | J. S. Gilbert, Santa Cruz..... | 2 00 |
| Lady apples..... | I. Dakin & Son, Soquel..... | 2 00 |
| Lady apples..... | J. S. Young, Santa Cruz..... | 1 50 |
| King of Tompkins County apples..... | S. M. Place, Bonny Doon..... | 2 00 |
| King of Tompkins County apples..... | Mrs. C. McKenzie, Santa Cruz..... | 1 50 |
| King of Tompkins County apples..... | E. B. Cahoon, Soquel..... | 1 00 |

THIRD DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|-------------------------------------|--------|
| Rome Beauty apples | J. S. Gilbert, Santa Cruz | \$2 00 |
| Apples | C. Steinmetz, Santa Cruz | 2 00 |
| Apples | S. B. Wallace, Soquel | 2 00 |
| Apples | Doyle & Harmon, Soquel | 1 50 |
| Apples | I. Dakin & Son, Soquel | 1 00 |
| Russet | I. Dakin & Son, Soquel | 2 00 |
| Russet apples | J. S. Young, Santa Cruz | 1 00 |
| Russet apples | J. S. Young, Santa Cruz | 2 00 |
| Vandevere apples | A. G. Rose & Bro., Santa Cruz | 1 50 |
| Vandevere apples | I. Dakin & Son, Soquel | 1 00 |
| Vandevere apples | E. B. Cahoon, Soquel | 2 00 |
| Gloria Mundi apples | I. Dakin & Son, Soquel | 2 00 |
| Detroit Red apples | I. Dakin & Son, Soquel | 1 50 |
| Detroit Red apples | I. Dakin & Son, Soquel | 2 00 |
| Waxen apples | I. Dakin & Son, Soquel | 1 50 |
| Waxen apples | I. Dakin & Son, Soquel | 2 00 |
| Peck's Pleasant apples | I. Dakin & Son, Soquel | 1 50 |
| Peck's Pleasant apples | I. Dakin & Son, Soquel | 2 00 |
| Bellflower seedling apples | I. Dakin & Son, Soquel | 2 00 |
| Ladies' Sweeting apples | I. Dakin & Son, Soquel | 2 00 |
| Mother apples | I. Dakin & Son, Soquel | 2 00 |
| Pumpkin Sweet apples | I. Dakin & Son, Soquel | 2 00 |
| Porter apples | I. Dakin & Son, Soquel | 2 00 |
| Wealthy apples | I. Dakin & Son, Soquel | 2 00 |
| Tolepy Hopkins apples | Doyle & Harmon, Soquel | 2 00 |
| Russian Pippin apples | Doyle & Harmon, Soquel | 2 00 |
| Winter Sweet apples | Doyle & Harmon, Soquel | 2 00 |
| Summer Sweet apples | Doyle & Harmon, Soquel | 2 00 |
| PEARS. | | |
| Largest and best assortment of pears | A. G. Rose & Bro., Santa Cruz | 4 00 |
| Second largest and best | I. Dakin & Son, Soquel | 3 00 |
| Five varieties pears | Martin Kinsley, Santa Cruz | 3 00 |
| Five varieties pears | I. Dakin & Son, Soquel | 2 00 |
| Winter Nelis pears | A. L. Ward, Soquel | 2 00 |
| Winter Nelis pears | L. U. McCann, Santa Cruz | 1 50 |
| Winter Nelis pears | Martin Kinsley, Santa Cruz | 1 00 |
| Beurré Clairgeau pears | A. G. Rose & Bro., Santa Cruz | 2 00 |
| Beurré Clairgeau pears | I. Dakin & Son, Soquel | 1 50 |
| Beurré Clairgeau pears | S. B. Wallace, Soquel | 1 00 |
| Beurré Hardy pears | J. S. Gilbert, Santa Cruz | 2 00 |
| Beurré Hardy pears | A. L. Ward, Soquel | 1 50 |
| Beurré Hardy pears | L. K. Baldwin, Santa Cruz | 1 00 |
| Butternut pears | L. K. Baldwin, Santa Cruz | 1 00 |
| Easter Beurré pears | Martin Kinsley, Santa Cruz | 2 00 |
| Easter Beurré pears | J. S. Young, Santa Cruz | 1 50 |
| Easter Beurré pears | I. Dakin & Son, Soquel | 1 00 |
| Duchess pears | A. G. Rose & Bro., Santa Cruz | 2 00 |
| Duchess pears | Martin Kinsley, Santa Cruz | 1 50 |
| Duchess pears | I. Dakin & Son, Soquel | 1 00 |
| Seckel pears | L. U. McCann, Santa Cruz | 2 00 |
| Seckel pears | I. Dakin & Son, Soquel | 1 50 |
| Seckel pears | A. G. Rose & Bro., Santa Cruz | 1 00 |
| Keifer pears | Martin Kinsley, Santa Cruz | 2 00 |
| Keifer pears | A. G. Rose & Bro., Santa Cruz | 1 50 |
| Keifer pears | L. U. McCann, Santa Cruz | 1 00 |
| Swan's Orange pears | S. B. Wallace, Soquel | 2 00 |
| Bartlett pears | A. G. Rose & Bro., Santa Cruz | 2 00 |
| Bartlett pears | J. B. King, Laurel | 1 50 |
| Bartlett pears | I. Dakin & Son, Soquel | 1 00 |
| Glout Morceau pears | A. G. Rose & Bro., Santa Cruz | 2 00 |
| Glout Morceau pears | I. Dakin & Son, Soquel | 1 50 |
| Louis Bon de Jersey pears | A. Noble, Soquel | 2 00 |
| Doyenne de Alençon pears | A. G. Rose & Bro., Santa Cruz | 2 00 |
| Onondaga pears | J. S. Young, Santa Cruz | 2 00 |
| Buffin pears | E. B. Cahoon, Soquel | 2 00 |
| Buffin pears | E. B. Cahoon, Soquel | 1 50 |
| Flemish Beauty pears | E. B. Cahoon, Soquel | 2 00 |
| Pears | W. W. Waterman, Laurel | 2 00 |
| Pears | W. W. Waterman, Laurel | 1 50 |
| Pears | W. W. Waterman, Laurel | 1 00 |
| Doyenne Blanc pears | Mrs. McKenzie, Santa Cruz | 2 00 |
| Jumbo pears | Doyle & Harmon, Soquel | 2 00 |

THIRD DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-------------------------------------|--------|
| PEACHES. | | |
| Largest and best exhibit of peaches | W. W. Waterman, Laurel | \$3 00 |
| Second largest and best | I. Dakin & Son, Soquel | 2 00 |
| Third largest and best | A. G. Rose & Bro., Santa Cruz | 1 00 |
| Salway peaches | A. G. Rose & Bro., Santa Cruz | 2 00 |
| Salway peaches | E. B. Cahoon, Soquel | 1 50 |
| Salway peaches | A. L. Ward, Soquel | 1 00 |
| Late Crawford peaches | W. W. Waterman, Laurel | 2 00 |
| Late Crawford peaches | S. B. Wallace, Soquel | 1 50 |
| Morris White peaches | S. B. Wallace, Soquel | 2 00 |
| Lemon Cling peaches | W. W. Waterman, Laurel | 2 00 |
| Lemon Cling peaches | A. G. Rose & Bro., Santa Cruz | 1 50 |
| Lemon Cling peaches | J. B. King, Laurel | 1 00 |
| Arkansaw Traveler peaches | A. G. Rose & Bro., Santa Cruz | 2 00 |
| Smock's Late peaches | W. W. Waterman, Laurel | 2 00 |
| Smock's Late peaches | E. B. Cahoon, Soquel | 1 50 |
| Smock's Late peaches | J. S. Young, Santa Cruz | 1 00 |
| Seedling peaches | E. B. Cahoon, Soquel | 2 00 |
| Seedling peaches | E. B. Cahoon, Soquel | 1 50 |
| Elleson Seedling peaches | I. Dakin & Son, Soquel | 2 00 |
| Wonderful peaches | I. Dakin & Son, Soquel | 2 00 |
| Cling Seedling peaches | W. W. Waterman, Laurel | 2 00 |
| Free Seedling peaches | W. W. Waterman, Laurel | 2 00 |
| McDevitt peaches | Mrs. McKenzie, Santa Cruz | 2 00 |
| BERRIES, ORANGES, NUTS, ETC. | | |
| Blackberries | L. U. McCann, Santa Cruz | 2 00 |
| Raspberries | Ayton & Brownridge, Soquel | 2 00 |
| Raspberries | L. U. McCann, Santa Cruz | 1 50 |
| Strawberries | L. U. McCann, Santa Cruz | 2 00 |
| Brown figs | W. W. Waterman, Laurel | 2 00 |
| Brown figs | I. Dakin & Son, Soquel | 1 50 |
| Brown figs | J. B. King, Laurel | 1 00 |
| Olives | Mrs. McKenzie, Santa Cruz | 2 00 |
| Oranges | Doyle & Harmon, Soquel | 2 00 |
| Lemons | Doyle & Harmon, Soquel | 2 00 |
| Almonds | Mrs. McKenzie, Santa Cruz | 2 00 |
| Almonds | Chas. Jones, Santa Cruz | 1 50 |
| Walnuts | Chas. Steinmetz, Santa Cruz | 2 00 |
| Walnuts | Mrs. McKenzie, Santa Cruz | 1 50 |
| Walnuts | I. Dakin & Son, Soquel | 1 00 |
| Cider | I. Dakin & Son, Soquel | 2 00 |
| Quinces | Chas. Steinmetz, Santa Cruz | 2 00 |
| Quinces | Chas. Steinmetz, Santa Cruz | 1 50 |
| PLUMS. | | |
| Coe's Late Red plum | L. U. McCann, Santa Cruz | 2 00 |
| Yellow Egg plum | I. Dakin & Son, Soquel | 2 00 |
| Coe's Golden Drop plum | S. B. Wallace, Soquel | 1 50 |
| PRUNES. | | |
| Silver prunes | W. W. Waterman, Laurel | 2 00 |
| Silver prunes | L. U. McCann, Santa Cruz | 1 50 |
| Silver prunes | I. Dakin & Son, Soquel | 1 00 |
| Fellenberg prunes | E. B. Cahoon, Soquel | 2 00 |
| Fellenberg prunes | J. B. King, Laurel | 1 50 |
| Fellenberg prunes | A. L. Ward, Soquel | 1 00 |
| Petite Fellenberg prunes | D. W. Thompson, Santa Cruz | 2 00 |
| French prunes | W. W. Waterman, Laurel | 2 00 |
| French prunes | A. G. Rose & Bro., Santa Cruz | 1 50 |
| French prunes | I. Dakin & Son, Soquel | 1 00 |
| German prunes | A. G. Rose & Bro., Santa Cruz | 2 00 |
| German prunes | S. B. Wallace, Soquel | 1 50 |
| German prunes | Harvey Comstock, Santa Cruz | 1 00 |
| Kelsey prunes | E. B. Cahoon, Santa Cruz | 2 00 |
| Best exhibit of prunes | W. W. Waterman, Laurel | 8 00 |
| Second best | I. Dakin & Son, Soquel | 2 00 |

FOURTH DEPARTMENT.

VITICULTURE.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------|---------|
| TABLE GRAPES. | | |
| General and best assortment of grapes | W. W. Waterman, Laurel | \$10 00 |
| Second general and best | Doyle & Harmon, Soquel | 8 00 |
| Third general and best | Mrs. McKenzie, Santa Cruz | 3 00 |
| Black Ferrara grapes | I. Dakin & Son, Soquel | 2 00 |
| Flame Tokay grapes | W. W. Waterman, Laurel | 2 00 |
| Muscat of Alexandria grapes | I. Dakin & Son, Soquel | 2 00 |
| Muscat of Alexandria grapes | W. W. Waterman, Laurel | 1 50 |
| Muscat Rose grapes | W. W. Waterman, Laurel | 2 00 |
| Muscat Hamburg grapes | I. Dakin & Son, Soquel | 2 00 |
| Verdal grapes | B. Bertilling, Soquel | 2 00 |
| Verdal grapes | I. Dakin & Son, Soquel | 1 50 |
| Verdal grapes | J. S. Young, Santa Cruz | 1 00 |
| Isabella grapes | Doyle & Harmon, Soquel | 2 00 |
| Isabella grapes | W. W. Waterman, Laurel | 1 50 |
| Barbarossa grapes | W. W. Waterman, Laurel | 2 00 |
| Barbarossa grapes | I. Dakin & Son, Soquel | 1 50 |
| White Tokay grapes | W. W. Waterman, Laurel | 2 00 |
| Rose of Peru grapes | Doyle & Harmon, Soquel | 2 00 |
| Rose of Peru grapes | W. W. Waterman, Laurel | 1 50 |
| Black Morocco grapes | B. Bertilling, Soquel | 2 00 |
| Black Hamburg grapes | J. S. Young, Santa Cruz | 2 00 |
| Black Hamburg grapes | I. Dakin & Son, Soquel | 1 50 |
| Black Hamburg grapes | Doyle & Harmon, Soquel | 1 00 |
| Cornichon grapes | Doyle & Harmon, Soquel | 2 00 |
| Cornichon grapes | W. W. Waterman, Laurel | 1 50 |
| WINE GRAPES. | | |
| General and best assortment of wine grapes | Mrs. McKenzie, Santa Cruz | 10 00 |
| Ten varieties wine grapes | Mrs. McKenzie, Santa Cruz | 6 00 |
| Five varieties wine grapes | Mrs. McKenzie, Santa Cruz | 4 00 |
| WINE. | | |
| Dry white wine | Mrs. McKenzie, Santa Cruz | 5 00 |
| Burgundy | Mrs. McKenzie, Santa Cruz | 3 00 |
| Bordeaux | Mrs. McKenzie, Santa Cruz | 5 00 |
| White wine, two years old | W. W. Waterman, Laurel | 5 00 |
| Brandy | Theo. Beck, Santa Cruz | 3 00 |

FIFTH DEPARTMENT.

PRESERVES, PICKLES, DRIED FRUIT, ETC.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|-------------------------------|---------|
| PRESERVES. | | |
| Largest exhibit of canned fruit | W. W. Waterman, Laurel | \$12 00 |
| Second largest | A. G. Rose & Bro., Santa Cruz | 8 00 |
| Tomatoes | D. W. Thompson, Santa Cruz | 1 50 |
| Tomatoes | E. B. Cahoon, Soquel | 1 00 |
| Chowchow | E. B. Cahoon, Soquel | 1 50 |
| Quinces | Marion Jewett, Santa Cruz | 1 50 |
| Quinces | Mrs. P. B. Fagan, Santa Cruz | 1 00 |
| Peaches | E. B. Cahoon, Soquel | 1 50 |
| Cherries | Mrs. P. B. Fagan, Santa Cruz | 1 50 |
| Blackberries | Marion Jewett, Santa Cruz | 1 50 |
| Blackberries | A. G. Rose & Bro., Santa Cruz | 1 00 |
| Raspberries | Mrs. R. M. Wood, Santa Cruz | 1 50 |
| Raspberries | A. G. Rose & Bro., Santa Cruz | 1 00 |
| Hemskirke apricots | Marion Jewett, Santa Cruz | 1 50 |
| Hemskirke apricots | A. G. Rose & Bro., Santa Cruz | 1 00 |
| Crabapples | A. G. Rose & Bro., Santa Cruz | 1 50 |
| Crabapples | Mrs. McKenzie, Santa Cruz | 1 00 |

FIFTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------------|--------|
| Figs | A. G. Rose & Bro., Santa Cruz | \$1 50 |
| Figs | Marion Jewett, Santa Cruz | 1 00 |
| Red nectarines | E. B. Cahoon, Soquel | 1 00 |
| Red nectarines | A. G. Rose & Bro., Santa Cruz | 1 50 |
| Foster peaches | A. G. Rose & Bro., Santa Cruz | 1 00 |
| Coe's Golden Drop plums | A. G. Rose & Bro., Santa Cruz | 1 00 |
| Silver prunes | A. G. Rose & Bro., Santa Cruz | 1 00 |
| French prunes | Mrs. McKenzie, Santa Cruz | 1 50 |
| Royal Ann cherries | A. G. Rose & Bro., Santa Cruz | 1 00 |
| PICKLES. | | |
| Chile sauce | E. B. Cahoon, Soquel | 1 50 |
| Chile sauce | Marion Jewett, Santa Cruz | 1 00 |
| Tomato catsup | Marion Jewett, Santa Cruz | 1 50 |
| Onions | E. B. Cahoon, Soquel | 1 50 |
| Cucumbers | E. B. Cahoon, Soquel | 1 50 |
| Peppers | E. B. Cahoon, Soquel | 1 50 |
| Chowchow | E. B. Cahoon, Soquel | 1 50 |
| Walnuts | Mrs. McKenzie, Santa Cruz | 1 50 |
| Olives | Mrs. McKenzie, Santa Cruz | 1 50 |
| SWEET PICKLES. | | |
| Pears | E. B. Cahoon, Soquel | --- |
| Pears | Marion Jewett, Santa Cruz | 1 50 |
| Sweet pickles | Mrs. McKenzie, Santa Cruz | 1 00 |
| Sweet pickles | Mrs. R. M. Wood, Santa Cruz | 1 50 |
| Peaches | E. B. Cahoon, Soquel | 1 50 |
| Prunes | E. B. Cahoon, Soquel | 1 50 |
| Tomatoes | E. B. Cahoon, Soquel | 1 50 |
| Figs | W. W. Waterman, Laurel | 1 50 |
| JELLIES. | | |
| Peach jelly | Mrs. D. W. Thompson, Santa Cruz | 1 50 |
| Currant jelly | E. B. Cahoon, Soquel | 1 50 |
| Raspberry jelly | Mrs. D. W. Thompson, Santa Cruz | 1 50 |
| Raspberry jelly | Mrs. R. M. Wood, Santa Cruz | 1 00 |
| Strawberry jelly | Mrs. R. M. Wood, Santa Cruz | 1 50 |
| Strawberry jelly | Mrs. R. M. Wood, Santa Cruz | 1 00 |
| Gooseberry jelly | Mrs. R. M. Wood, Santa Cruz | 1 00 |
| Wild blackberry jelly | E. B. Cahoon, Soquel | 1 50 |
| Tame blackberry jelly | Mrs. R. M. Wood, Santa Cruz | 1 00 |
| Apple jelly | Mrs. R. M. Wood, Santa Cruz | 1 00 |
| Apple jelly | A. G. Rose & Bro., Santa Cruz | 1 50 |
| Apricot jelly | Mrs. R. M. Wood, Santa Cruz | 1 50 |
| Apricot jelly | Mrs. D. W. Thompson, Santa Cruz | 1 00 |
| Pear jelly | Mrs. D. W. Thompson, Santa Cruz | 1 50 |
| Plum jelly | A. G. Rose & Bro., Santa Cruz | 1 50 |
| Quince jelly | Mrs. D. W. Thompson, Santa Cruz | 1 50 |
| Quince jelly | E. B. Cahoon, Santa Cruz | 1 00 |
| Dried-apple jelly | Mrs. D. W. Thompson, Santa Cruz | 1 00 |
| Grape jelly | E. B. Cahoon, Soquel | 1 50 |
| Grape jelly | Mrs. R. M. Wood, Santa Cruz | 1 00 |
| German plum jelly | Mrs. D. W. Thompson, Santa Cruz | 1 00 |
| JAMS. | | |
| Tomato jam | Mrs. P. V. Wilkins, Santa Cruz | 1 50 |
| Blackberry jam | E. B. Cahoon, Soquel | 1 50 |
| Blackberry jam | Mrs. P. B. Fagan, Santa Cruz | 1 00 |
| Peach jam | Mrs. P. B. Fagan, Santa Cruz | 1 50 |
| Apricot jam | W. W. Waterman, Laurel | 1 50 |
| Apricot jam | Mrs. R. M. Wood, Santa Cruz | 1 00 |
| Plum jam | E. B. Cahoon, Soquel | 1 50 |
| Plum jam | Mrs. D. W. Thompson, Santa Cruz | 1 00 |
| Raspberry jam | E. B. Cahoon, Soquel | 1 50 |
| Strawberry jam | Mrs. R. M. Wood, Santa Cruz | 1 50 |
| Spiced apple jam | E. B. Cahoon, Soquel | 1 50 |
| SUN-DRIED FRUIT. | | |
| Largest and best exhibit of sun-dried fruit | W. W. Waterman, Laurel | 10 00 |
| Second largest and best | J. B. King, Laurel | 6 00 |
| Sun-dried nectarines | W. W. Waterman, Laurel | 2 00 |

FIFTH DEPARTMENT.—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|--------|
| Sun-dried figs | W. W. Waterman, Laurel..... | \$2 00 |
| Sun-dried prunes | W. W. Waterman, Laurel..... | 2 00 |
| Sun-dried apricots | J. B. King, Laurel..... | 2 00 |
| Sun-dried apricots | A. G. Rose & Bro., Santa Cruz..... | 1 00 |
| Sun-dried Buffin pears | E. B. Cahoon, Soquel..... | 1 50 |
| Sun-dried pears | J. B. King, Laurel..... | 2 00 |
| Sun-dried Buffin pears | E. B. Cahoon, Soquel..... | 2 00 |
| Sun-dried pears | W. W. Waterman, Laurel..... | 1 00 |
| Sun-dried apples | A. G. Rose & Bro., Santa Cruz..... | 2 00 |
| Sun-dried Waxen apples | E. B. Cahoon, Soquel..... | 2 00 |
| Sun-dried apples | W. W. Waterman, Laurel..... | 1 00 |
| Sun-dried peaches | A. G. Rose & Bro., Santa Cruz..... | 2 00 |
| Sun-dried peaches | J. B. King, Laurel..... | 2 00 |
| Sun-dried cherries | E. B. Cahoon, Soquel..... | 2 00 |
| Sun-dried German prunes | Harvey Comstock, Santa Cruz..... | 2 00 |
| Sun-dried raisins | W. W. Waterman, Laurel..... | 2 00 |
| Sun-dried Fellenberg prunes | E. B. Cahoon, Soquel..... | 2 00 |
| Sun-dried French prunes | J. B. King, Laurel..... | 2 00 |
| Sun-dried French prunes | A. G. Rose & Bro., Santa Cruz..... | 1 00 |
| Sun-dried Kelsey prunes | E. B. Cahoon, Soquel..... | 2 00 |
| Sun-dried Morris White peaches | A. G. Rose & Bro., Santa Cruz..... | 2 00 |
| Sun-dried Silver prunes | E. B. Cahoon, Soquel..... | 2 00 |
| Sun-dried Foster peaches | A. G. Rose & Bro., Santa Cruz..... | 2 00 |
| Sun-dried Egg plums | A. G. Rose & Bro., Santa Cruz..... | 2 00 |
| Sun-dried Washington plums | A. G. Rose & Bro., Santa Cruz..... | 2 00 |
| EVAPORATED FRUIT. | | |
| Largest and best exhibit of evaporated fruit | S. B. Wallace, Soquel..... | 10 00 |
| Second largest and best | I. Dakin & Son, Soquel..... | 6 00 |
| Evaporated prunes | I. Dakin & Son, Soquel..... | 2 00 |
| Evaporated prunes | J. S. Gilbert, Santa Cruz..... | 1 00 |
| Evaporated apricots | I. Dakin & Son, Soquel..... | 2 00 |
| Evaporated apricots | S. B. Wallace, Soquel..... | 1 00 |
| Evaporated pears | S. B. Wallace, Soquel..... | 2 00 |
| Evaporated pears | J. S. Gilbert, Santa Cruz..... | 1 00 |
| Evaporated apples | S. B. Wallace, Soquel..... | 2 00 |
| Evaporated apples | I. Dakin & Son, Soquel..... | 1 00 |
| Evaporated peeled peaches | S. B. Wallace, Soquel..... | 2 00 |
| Evaporated peaches | I. Dakin & Son, Soquel..... | 2 00 |
| Evaporated peaches | S. B. Wallace, Soquel..... | 1 00 |
| Evaporated cherries | S. B. Wallace, Soquel..... | 2 00 |
| Evaporated cherries | I. Dakin & Son, Soquel..... | 1 00 |
| Evaporated Silver prunes | S. B. Wallace, Soquel..... | 2 00 |
| Evaporated Silver prunes | J. S. Gilbert, Santa Cruz..... | 1 00 |
| Evaporated French prunes | S. B. Wallace, Soquel..... | 2 00 |
| Evaporated Fellenberg prunes | S. B. Wallace, Soquel..... | 2 00 |
| Evaporated German prunes | S. B. Wallace, Soquel..... | 2 00 |
| Evaporated Coe's Golden Drop plums | S. B. Wallace, Soquel..... | 2 00 |
| Evaporated Petite Fellenberg prunes | S. B. Wallace, Soquel..... | 2 00 |
| Evaporated grapes | S. B. Wallace, Soquel..... | 2 00 |
| Evaporated nectarines | S. B. Wallace, Soquel..... | 2 00 |
| Evaporated quinces | S. B. Wallace, Soquel..... | 2 00 |
| VINEGAR. | | |
| Wine vinegar | W. W. Waterman, Laurel..... | 2 00 |
| Cider vinegar | Mrs. R. M. Wood, Santa Cruz..... | 2 00 |
| Cider vinegar | I. Dakin & Son, Soquel..... | 1 00 |
| Apple vinegar | D. W. Thompson, Santa Cruz..... | 2 00 |

SIXTH DEPARTMENT.

MANUFACTURES.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|--------|
| Display of harness and saddlery | John Werner, Santa Cruz | \$5 00 |
| Single harness | C. L. Turner, Santa Cruz | 5 00 |
| Tables, mantels, and bookcase | J. F. Cunningham, Santa Cruz | 5 00 |
| Split shakes | W. W. Waterman, Laurel | 3 00 |
| Curios (Samuel Woodworth's home) | G. G. Patterson, Santa Cruz | 3 00 |
| Candy | Will Grant, Santa Cruz | 3 00 |
| Showcase | A. Noble, Soquel | 1 00 |
| Artistic work in stone | J. Pierrugues, Santa Cruz | 3 00 |
| Bamboo easel | Marion Jewett, Santa Cruz | 1 00 |
| VEHICLES. | | |
| Open buggy | Ed. Bowman, Santa Cruz | 4 00 |
| Delivery wagon | Ed. Bowman, Santa Cruz | 5 00 |

EIGHTH DEPARTMENT.

FINE ARTS, NEEDLEWORK, ETC.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|--------|
| PAINTINGS. | | |
| Portrait in oil | Carrie L. Anderson, Santa Cruz | \$5 00 |
| Portrait in oil | W. S. De Fernrose, Santa Cruz | 3 00 |
| Portrait in oil | Carrie L. Anderson, Santa Cruz | 2 00 |
| Display of porcelain paintings | Lillian Richardson, Santa Cruz | 3 00 |
| Display of porcelain paintings | Mrs. E. D. Perry, Santa Cruz | 2 00 |
| Single porcelain painting | Mrs. E. D. Perry, Santa Cruz | 1 50 |
| Single porcelain painting | Lillian Richardson, Santa Cruz | 2 00 |
| Plaque painting | W. S. De Fernrose, Santa Cruz | 2 00 |
| Specimen of pencil drawing | Frank Heath, Santa Cruz | 2 00 |
| Specimen of pencil drawing | Frank Heath, Santa Cruz | 1 50 |
| Specimen of pencil drawing | Frank Heath, Santa Cruz | 1 00 |
| Specimen of crayon drawing | W. S. De Fernrose, Santa Cruz | 2 00 |
| Specimen of crayon drawing | Frank Heath, Santa Cruz | 1 50 |
| Specimen of crayon drawing | Frank Heath, Santa Cruz | 1 00 |
| Sketching from nature in oil | Frank Heath, Santa Cruz | 4 00 |
| Sketching from nature in oil | Mrs. H. Cooper, Santa Cruz | 3 00 |
| Sketching from nature in oil | Mrs. E. Spalsbury, Santa Cruz | 3 00 |
| Landscape in oil, Santa Cruz County | Frank Heath, Santa Cruz | 4 00 |
| Landscape in oil, Santa Cruz County | Carrie L. Anderson, Santa Cruz | 3 00 |
| Display of paintings in oil | Frank Heath, Santa Cruz | 8 00 |
| Display of paintings in oil | Mrs. E. Spalsbury, Santa Cruz | 4 00 |
| Display of paintings in oil | Carrie L. Anderson, Santa Cruz | 2 00 |
| Display of paintings in water color | Mrs. E. Spalsbury, Santa Cruz | 8 00 |
| Photography | McKean & Ort, Santa Cruz | 3 00 |
| Wood carving | Mrs. E. Spalsbury, Santa Cruz | 2 50 |
| Wood carving | Miss Ord, Santa Cruz | 1 00 |
| Portrait and pastel | W. S. De Fernrose, Santa Cruz | 2 00 |
| AMATEURS. | | |
| Portrait in oil | Mrs. J. F. Laird, Santa Cruz | 5 00 |
| Painting in oil | Mrs. E. J. Cotton, Santa Cruz | 2 00 |
| Painting in oil | Mrs. F. O. Hihn, Santa Cruz | 1 50 |
| Painting in oil | Miss Luella Laird, Santa Cruz | 1 00 |
| Painting in water color | Mrs. J. F. Laird, Santa Cruz | 2 00 |
| Single porcelain painting | Mrs. E. D. Perry, Santa Cruz | 1 50 |
| Single porcelain painting | Mrs. J. F. Laird, Santa Cruz | 2 00 |
| Single porcelain painting | Mrs. E. D. Perry, Santa Cruz | 1 00 |
| Display of porcelain paintings | Mrs. J. F. Laird, Santa Cruz | 3 00 |
| Display of porcelain paintings | Mrs. E. D. Perry, Santa Cruz | 2 00 |
| Panel painting | Mrs. J. D. Chase, Santa Cruz | 2 00 |
| Panel painting | Mrs. F. J. Laird, Santa Cruz | 1 00 |
| Specimen of crayon drawing | Miss F. Kloss, Santa Cruz | 2 00 |

EIGHTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------------|---------------------------------------|--------|
| Specimen of crayon drawing | Miss F. Kloss, Santa Cruz | \$1 50 |
| Specimen of ink drawing | Miss F. Kloss, Santa Cruz | 2 00 |
| Pencil drawing | Miss F. Kloss, Santa Cruz | 2 00 |
| Pencil drawing | Miss F. Kloss, Santa Cruz | 1 50 |
| Copper etching | Miss F. Kloss, Santa Cruz | 1 00 |
| Sketching from nature | Miss J. H. Younger, Santa Cruz .. | 5 00 |
| Landscape in oil | Miss A. G. Rose, Santa Cruz | 5 00 |
| Display of paintings in oil | Miss Luella Laird, Santa Cruz | 8 00 |
| Display of paintings in oil | Mrs. F. J. Laird, Santa Cruz | 4 00 |
| Display of paintings | Mrs. E. J. Cotton, Santa Cruz | 8 00 |
| Specimen of sea moss work | Mrs. E. B. Cahoon, Soquel | 2 00 |
| DRAWINGS, DESIGNS, ETC. | | |
| Wax picture | Mrs. P. V. Wilkins, Santa Cruz | 1 50 |
| Mechanical drawing | Mrs. Ella E. Wheeler, Santa Cruz .. | 3 00 |
| EMBROIDERY, NEEDLE WORK, ETC. | | |
| Hand sewing | Mrs. H. Forbes, Santa Cruz | 3 00 |
| Hand sewing | Mrs. D. W. Thompson, Santa Cruz .. | 1 50 |
| Hand sewing | Mrs. D. W. Thompson, Santa Cruz .. | 1 00 |
| Hemstitching | Mrs. P. B. Fagan, Santa Cruz | 3 00 |
| Hemstitching | Mrs. H. Forbes, Santa Cruz | 1 50 |
| Hemstitching | Mrs. E. Buchanan, Santa Cruz | 1 00 |
| Embroidery on silk | Mrs. A. M. Peterson, Santa Cruz | 3 00 |
| Embroidery on silk | Mrs. A. M. Peterson, Santa Cruz | 1 50 |
| Embroidery on silk | Mrs. P. B. Fagan, Santa Cruz | 1 00 |
| Embroidery on velvet | Mrs. H. Forbes, Santa Cruz | 3 00 |
| Embroidery on velvet | Mrs. H. Forbes, Santa Cruz | 1 50 |
| Embroidery on linen | Mrs. P. B. Fagan, Santa Cruz | 1 50 |
| Cotton embroidery | Mrs. P. Mozzini, Santa Cruz | 2 00 |
| Cotton embroidery | Mrs. A. Mann, Santa Cruz | 1 50 |
| Cotton embroidery | Mrs. A. P. Swanton, Santa Cruz | 1 00 |
| Cotton etching | Mrs. B. S. Jones, Santa Cruz | 2 00 |
| Spiced bouquet | Mrs. H. Reese, Santa Cruz | 3 00 |
| Point lace embroidery | Mrs. B. S. Jones, Santa Cruz | 2 00 |
| Point lace embroidery | Mrs. W. D. Thompson, Santa Cruz .. | 1 50 |
| Point lace embroidery | Mrs. G. P. Laird, Santa Cruz | 1 00 |
| Outline embroidery | Mrs. F. J. Laird, Santa Cruz | 2 00 |
| Outline embroidery | Mrs. H. Cooper, Santa Cruz | 1 50 |
| Outline embroidery | Mrs. P. V. Wilkins, Santa Cruz | 1 00 |
| Work in arrasene | Mrs. B. S. Jones, Santa Cruz | 2 00 |
| Flannel embroidery | Mrs. H. Cooper, Santa Cruz | 2 00 |
| Flannel embroidery | Mrs. F. J. Laird, Santa Cruz | 1 50 |
| Flannel embroidery | Mrs. A. M. Peterson, Santa Cruz | 1 00 |
| Cotton embroidery | Mrs. A. P. Swanton, Santa Cruz | 1 00 |
| Spanish lace | Mrs. B. S. Jones, Santa Cruz | 2 00 |
| Spanish lace | Mrs. A. Mann, Santa Cruz | 1 50 |
| Spanish lace | Mrs. P. V. Wilkins, Santa Cruz | 1 00 |
| Macrame work | Mrs. B. S. Jones, Santa Cruz | 2 00 |
| Macrame work | Mrs. G. P. Laird, Santa Cruz | 1 50 |
| Macrame work | Mrs. H. B. Phillips, Santa Cruz | 1 00 |
| Patchwork quilt | Mrs. A. Banter, Santa Cruz | 2 00 |
| Patchwork quilt | Mrs. A. Mann, Santa Cruz | 1 50 |
| Patchwork quilt | Mrs. B. S. Jones, Santa Cruz | 1 00 |
| Crazy silk patchwork | Mrs. A. M. Peterson, Santa Cruz | 2 00 |
| Crazy silk patchwork | Mrs. A. Mann, Santa Cruz | 1 50 |
| Crazy silk patchwork | Mrs. E. J. Cotton, Santa Cruz | 1 00 |
| Lambrequin | Mrs. H. B. Phillips, Santa Cruz | 1 50 |
| Mending | Mrs. J. H. Younger, Santa Cruz | 2 00 |
| Crochet shawl | Mrs. H. Forbes, Santa Cruz | 3 00 |
| Crochet shawl | Mrs. G. P. Laird, Santa Cruz | 1 50 |
| Crochet shawl | Mrs. Paul Pioda, Santa Cruz | 1 00 |
| Crochet afghan | Mrs. P. V. Wilkins, Santa Cruz | 1 50 |
| Tatting | Miss Harman, Santa Cruz | 2 00 |
| Tatting | Mrs. H. Forbes, Santa Cruz | 1 50 |
| Darned netting | Mrs. B. S. Jones, Santa Cruz | 2 00 |
| Darned netting | Mrs. A. P. Swanton, Santa Cruz | 1 50 |
| Darned netting | Mrs. H. B. Phillips, Santa Cruz | 1 00 |
| Darned stockings | Mrs. H. Forbes, Santa Cruz | 2 00 |
| Hearth rug | Mrs. B. S. Jones, Santa Cruz | 2 00 |

EIGHTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|------------------------------------|--|--------|
| Hearth rug | Mrs. A. P. Swanton, Santa Cruz | \$1 50 |
| Hearth rug | Mrs. H. B. Phillips, Santa Cruz | 1 00 |
| Pair stockings | Mrs. A. P. Swanton, Santa Cruz | 2 00 |
| Pair stockings | Mrs. P. V. Wilkins, Santa Cruz | 1 50 |
| Pair stockings | Mrs. McKenzie, Santa Cruz | 1 00 |
| Fancy knitting | Mrs. R. M. Wood, Santa Cruz | 2 00 |
| Fancy work | Mrs. G. P. Laird, Santa Cruz | 2 00 |
| Knit quilt | Mrs. E. Buchanan, Santa Cruz | 1 50 |
| Silk quilt | Mrs. H. B. Phillips, Santa Cruz | 2 00 |
| Silk quilt | Mrs. F. J. Laird, Santa Cruz | 1 50 |
| Baby's dress | Mrs. A. P. Swanton, Santa Cruz | 2 00 |
| Baby's dress | Mrs. H. Cooper, Santa Cruz | 1 50 |
| Rag carpet | Mrs. W. M. Robertson, Santa Cruz | 2 00 |
| Rag carpet | Mrs. R. M. Wood, Santa Cruz | 1 50 |
| Rag carpet | Mrs. R. M. Wood, Santa Cruz | 1 00 |
| Nightgown | Mrs. D. W. Thompson, Santa Cruz | 1 50 |
| Silk hand bag | Mrs. P. V. Wilkins, Santa Cruz | 1 50 |
| Knitted lace | Mrs. B. S. Jones, Santa Cruz | 2 00 |
| Knitted lace | Mrs. P. V. Wilkins, Santa Cruz | 1 50 |
| Knitted lace | Miss Eleanor Wiggs, Santa Cruz | 1 00 |
| Infant's bonnet | Miss Kate McCaskill, Santa Cruz | 1 50 |
| Fancy knitting | Mrs. G. P. Laird, Santa Cruz | 2 00 |
| Beaded chain | Mrs. J. D. Chace, Santa Cruz | 1 00 |
| Drape | Mrs. G. M. Thompson, Santa Cruz | 1 00 |
| Woven bedspread | Mrs. A. J. Banta, Santa Cruz | 1 50 |
| Sofa pillow | Laura Dabadie, Santa Cruz | 1 50 |
| Crocheting | Miss Eleanor Wiggs, Santa Cruz | 2 00 |
| Crochet work | Mrs. A. J. Rose, Santa Cruz | 1 50 |
| Crochet work | Mrs. A. P. Swanton, Santa Cruz | 1 00 |
| Dinner mat | Mrs. E. Buchanan, Santa Cruz | 1 50 |
| Cashmere shawl | Mrs. F. J. Laird, Santa Cruz | 2 00 |
| Case of fancy work | Mrs. H. Forbes, Santa Cruz | 1 50 |
| JUVENILE. | | |
| Hand sewing | Anna Bias, Santa Cruz | 3 00 |
| Hemstitching | Anna Bias, Santa Cruz | 3 00 |
| Darned stockings | Anna Bias, Santa Cruz | 1 50 |
| Hemstitching | Georgia Collins, Santa Cruz | 1 50 |
| Outline embroidery | Georgia Collins, Santa Cruz | 2 00 |
| NATURAL HISTORY. | | |
| Natural history | C. L. Anderson, Santa Cruz | 10 00 |
| Natural history | Laura Hecox, Santa Cruz | 10 00 |
| Natural history | A. Noble, Soquel | 2 50 |
| PLANTS AND FLOWERS. | | |
| Floral design | Mrs. R. M. Wood, Santa Cruz | 3 00 |
| Floral design | F. A. Hihn, Santa Cruz | 2 00 |
| Floral design (amateur) | Mrs. R. M. Wood, Santa Cruz | 3 00 |
| Floral design (amateur) | Agnes Boston, Santa Cruz | 3 00 |
| Floral design (amateur) | Bessie Boston, Santa Cruz | 2 00 |
| Floral design (cooking club) | Young Ladies Cooking Club, S. Cruz | 2 00 |
| Exhibit of plants | F. Thompson, Santa Cruz | 3 00 |
| Exhibit of plants | P. Thrift, Santa Cruz | 2 00 |
| Exhibit of plants (amateur) | Mrs. W. H. Miller, Santa Cruz | 3 00 |
| Exhibit of plants (amateur) | Mrs. R. M. Wood, Santa Cruz | 2 00 |
| Bouquet | T. Thompson, Santa Cruz | 3 00 |
| Bouquet | Marian Jewett, Santa Cruz | 3 00 |
| Bouquet | Mrs. H. Cooper, Santa Cruz | 1 00 |
| Exhibit of cut flowers | Mrs. R. M. Wood, Santa Cruz | 3 00 |
| Ten varieties roses | T. Thompson, Santa Cruz | 2 00 |
| Ten varieties roses | Mrs. H. B. Phillips, Santa Cruz | 2 00 |
| Ten varieties carnations | T. Thompson, Santa Cruz | 2 00 |
| Ten varieties chrysanthemums | A. Noble, Soquel | 2 00 |
| Ten varieties dahlias | P. Thrift, Santa Cruz | 2 00 |
| Ten varieties dahlias | Mrs. R. M. Wood, Santa Cruz | 1 00 |
| Ten varieties lilies | A. Noble, Soquel | 2 00 |
| Ten varieties pansies | Mrs. Wakeman, Santa Cruz | 2 00 |
| Ten varieties gladiolus | A. Noble, Soquel | 2 00 |
| Ten varieties fuchsias | Mrs. P. B. Fagan, Santa Cruz | 2 00 |

EIGHTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|------------------------------|------------------------------------|--------|
| Ten varieties geraniums..... | Mrs. P. B. Fagan, Santa Cruz..... | \$2 00 |
| Ten varieties verbenas..... | A. Noble, Soquel..... | 2 00 |
| Exhibit of cut flowers..... | Mrs. Wakeman, Santa Cruz..... | 2 00 |
| Exhibit of carnations..... | Mrs. Wakeman, Santa Cruz..... | 1 00 |
| Exhibit of geraniums..... | | 1 00 |
| CULINARY. | | |
| Home-made bread..... | Mrs. W. S. Fitch, Santa Cruz..... | 3 00 |
| Home-made bread..... | Marian Jewett, Santa Cruz..... | 2 00 |
| Home-made bread..... | Mrs. R. M. Wood, Santa Cruz..... | 1 00 |
| Home-made cake..... | Mrs. R. M. Wood, Santa Cruz..... | 3 00 |
| Home-made cake..... | Marian Jewett, Santa Cruz..... | 2 00 |
| Home-made cake..... | Mrs. E. B. Cahoon, Santa Cruz..... | 1 00 |

REPORT OF THE COMMITTEE ON NATURAL HISTORY.

While the Natural History Department this year presented no great variety of objects nor collection of striking beauty, there were some things that deserve special mention.

The collection of "California onyx," as it is popularly called, worked into beautiful ornaments by Joseph Pierrugues, of Santa Cruz, attracted no little attention. This material is found abundantly in various places in California, particularly in Sonoma County. It is a kind of marble formed from a solution of lime in hot water. Its formation may be seen going on constantly at the quarry near Suisun. Mineralogists call it *Aragonite*, from Aragon, in Spain. It is chiefly carbonate of lime formed in clear or tinted layers, subject to a beautiful polish.

There was a frame of a few sea mosses by Mrs. E. B. Cahoon, showing very artistically some of our "flowers of the sea." Also a case of moths and butterflies neatly mounted by C. L. Anderson.

A. Noble had a large, beautiful, and unique collection of pebbles obtained on his farm near Soquel. These pebbles were exhibited in glass jars and dishes filled with water. The collection is interesting and curious as to the origin of these stones. They are of many colors and shapes. We find among them many kinds of quartz, from carnelian to agate. The prevailing mineral, however, seems to be jasper, intermingled with feldspar and quartz.

The herbarium of grasses exhibited by C. L. Anderson was from all parts of the United States, and represented one hundred and twelve genera and over three hundred species. Nearly all of the native and many of the introduced agricultural grasses may be found in the collection. They are arranged in the form of books, with the generic names on the back of the books in alphabetical order, so that any species may be found almost as easily as a word in the dictionary. This collection is the result of no little labor and time.

An exceedingly interesting and important collection of birds' skins and eggs was exhibited by Miss Laura A. Hecox. They were taken and prepared by two young men, Ed. H. Fisk, of Santa Cruz, and R. C. McGregor, of Denver, Colorado. This has been their summer diversion for the past two years. It represents a large number of our land and water birds, at least the most common ones that inhabit or make long visits in our county. The collection is to go to the California Academy of Sciences, and is of great value, as the birds are all correctly named by these young but very competent ornithologists.

TRANSACTIONS

OF THE

SEVENTEENTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the County of Nevada.

OFFICERS OF THE ASSOCIATION.

| | |
|---------------------|------------|
| M. L. MARSH | President. |
| I. J. ROLFE | Secretary. |
| E. M. PRESTON | Treasurer. |

DIRECTORS.

| | |
|------------------------|-----------------|
| M. L. MARSH | Nevada City. |
| SAMUEL GRANGER | Grass Valley. |
| A. B. DRIESBACH | Indian Springs. |
| JOHN F. KIDDER | Grass Valley. |
| J. R. NICKERSON | Grass Valley. |
| GEORGE FLETCHER | Grass Valley. |
| C. H. MITCHELL | Grass Valley. |
| GEORGE F. JACOBS | Nevada City. |

REPORT.

JANUARY 1, 1892.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Seventeenth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

I. J. ROLFE,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | |
|---|--------------------|
| Balance on hand | \$80 42 |
| Rebate from National Trotting Association | 55 00 |
| Penalties and interest, National Trotting Association | 55 00 |
| Board of Supervisors of Nevada County | 1,000 00 |
| Donations for purses, etc. | 1,030 00 |
| Entrance to Park | 1,534 25 |
| Bar and restaurant privilege | 977 00 |
| Other privileges at Park | 518 40 |
| Receipts of grand stand | 118 00 |
| Exhibitors' badges at Park | 27 00 |
| Entrances and forfeits | 1,680 00 |
| Sale of straw | 66 00 |
| Commission on pools | 505 50 |
| Receipts at Pavilion | 772 60 |
| State appropriation | 2,000 00 |
| Directors' note at bank | 1,500 00 |
| | <u>\$11,917 17</u> |

Expenditures.

| | |
|--|--------------------|
| Directors' note at bank | \$1,000 00 |
| John Graham, on purchase of track | 1,000 00 |
| John Graham, interest on purchase of track | 792 30 |
| Printing and advertising | 524 50 |
| Ice | 50 38 |
| Postage, stationery, and telegraphing | 32 05 |
| Ribbon for badges and premiums | 34 90 |
| Expressage and freight | 6 80 |
| Posting bills | 3 70 |
| Secretary | 450 00 |
| Expenses of Directors and judges | 26 25 |
| Horse and buggy for speaker | 3 00 |
| Music | 240 00 |
| John Werry, fixing diplomas | 10 00 |
| Interest on floating debt | 123 42 |
| Maintenance of stock grounds | 443 80 |
| Repairs to stock grounds | 228 37 |
| Purses | 4,743 50 |
| Insurance on stock grounds | 124 60 |
| Membership National Trotting Association | 50 00 |
| Premiums at Park | 388 50 |
| Straw at Park | 141 18 |
| Payroll at Park | 373 75 |
| Rent of Pavilion | 100 00 |
| Repairing hall for exhibits | 53 34 |
| Gas at Pavilion | 20 00 |
| Payroll at Pavilion | 159 25 |
| Superintendent of Pavilion | 50 00 |
| Premiums at Pavilion | 649 00 |
| | <u>\$11,822 49</u> |
| Balance on hand | 94 68 |
| | <u>\$11,917 17</u> |

INDEBTEDNESS.

| | |
|---|-------------------|
| Purchase of track | \$5,000 00 |
| Bills payable—R. McMurray | 200 00 |
| Bills payable—Directors' note at bank | 1,500 00 |
| | <u>\$6,700 00</u> |

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|----------|
| THOROUGHBREDS—MARES. | | |
| Emma D, three years old and over | John Skewes, Grass Valley | \$12 00 |
| Hazel, two years old | James Watt, Grass Valley | 8 00 |
| Loretta, one year old | B. Penhall, Grass Valley | 4 00 |
| STANDARD TROTTERS. | | |
| Pasha, three years old and over | S. Wheeler, Nevada City | 15 00 |
| Stella J, two years old | H. Thompson, Nevada City | 8 00 |
| HORSES OF ALL WORK. | | |
| Sheridan, three years old and over | A. C. Combie, Clipper Gap | 8 00 |
| Nellie, three years old and over | W. J. Simmons, Grass Valley | 6 00 |
| ROADSTERS—STALLIONS. | | |
| Milton S, three years old and over | J. M. Smith, Grass Valley | 12 00 |
| J W, three years old and over | J. W. Robinson, Nevada City | 8 00 |
| Pasha, Jr., two years old | W. J. Simmons, Grass Valley | 8 00 |
| Prince, under one year | John Casey, Rough and Ready | 4 00 |
| MARES. | | |
| Emma C, three years old and over | W. C. Jones, Grass Valley | 12 00 |
| M'liss, two years old | O. Sirard, Grass Valley | 8 00 |
| Fanny, two years old | Geo. Seville, Grass Valley | 4 00 |
| Sally, one year old | Charles Cleveland, Nevada City | 4 00 |
| Bessie, under one year | W. J. Simmons, Grass Valley | 4 00 |
| Kate, under one year | Louis Fallebert, Auburn | Sp. men. |
| DRAFT HORSES—STALLIONS. | | |
| Black Jack, three years old and over | Dan Tuttle, Grass Valley | \$12 00 |
| MARES. | | |
| Bess, three years old and over | R. Noell, Grass Valley | 8 00 |
| Doll, three years old and over | John Casey, Rough and Ready | 6 00 |
| Fanny, two years old | R. Noell, Grass Valley | 6 00 |
| CARRIAGE AND SADDLE HORSES. | | |
| Pete and Rix, span carriage horses | Dan Tuttle, Grass Valley | 10 00 |
| Fred, single buggy horse | Al. Morgan, Grass Valley | 7 50 |
| Fanny, saddle horse | Miss M. Miller, Grass Valley | 5 00 |
| CATTLE—JERSEYS—BULLS. | | |
| Paragon 2d, three years old and over | R. Noell, Grass Valley | 8 00 |
| COWS. | | |
| Fanny, three years old and over | R. Noell, Grass Valley | 6 00 |
| Lucy 2d, three years old and over | R. Noell, Grass Valley | 4 00 |
| Fancy, two years old | R. Noell, Grass Valley | 5 00 |
| Lucy 3d, two years old | R. Noell, Grass Valley | 3 00 |
| Fancy 2d, one year old | R. Noell, Grass Valley | 2 00 |
| GALLOWAYS—COWS. | | |
| Babe, two years old | Geo. F. Murphy, Grass Valley | 5 00 |
| AYESHIRE—BULLS. | | |
| Pride of Grass Valley, three years old and over | H. B. Nichols, Grass Valley | 8 00 |
| COWS. | | |
| Bonnie Belle | H. B. Nichols, Grass Valley | 6 00 |
| Bonnie Maid, three years old and over | H. B. Nichols, Grass Valley | 4 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------------|----------|
| Pretty, two years old | H. B. Nichols, Grass Valley | \$5 00 |
| Bonnie Dora, one year old | H. B. Nichols, Grass Valley | 2 00 |
| Bonnie Bairn, one year old | H. B. Nichols, Grass Valley | Diploma. |
| HOLSTEINS—BULLS. | | |
| Barbara Prince, three years old and over .. | H. B. Nichols, Grass Valley | \$8 00 |
| Infelice Prince, calf | H. B. Nichols, Grass Valley | Diploma. |
| COWS. | | |
| Barbara Maid, three years old and over ... | H. B. Nichols, Grass Valley | \$8 00 |
| Infelice, three years old and over | H. B. Nichols, Grass Valley | 4 00 |
| Barbara Queen, calf | H. B. Nichols, Grass Valley | Diploma. |
| HERDS. | | |
| Holstein herd, Barbara Prince and four females | H. B. Nichols, Grass Valley | \$10 00 |
| Ayrshire herd, Pride of Grass Valley and four females | H. B. Nichols, Grass Valley | 10 00 |
| Jersey herd, Paragon 2d and four females .. | R. Noell, Grass Valley | 10 00 |
| GRADED. | | |
| Beauty (graded Holstein cow), three years old and over | H. B. Nichols, Grass Valley | 6 00 |
| Maud (graded Jersey cow), three years old and over | R. Noell, Grass Valley | 6 00 |
| Isabel (graded Holstein cow), two years old .. | H. B. Nichols, Grass Valley | 5 00 |
| Lady Ayre (graded Ayrshire cow), two years old | H. B. Nichols, Grass Valley | 5 00 |
| Lady Hereford (graded Hereford cow), two years old | H. B. Nichols, Grass Valley | 5 00 |
| Topsy (graded Jersey cow), two years old .. | R. Noell, Grass Valley | 5 00 |
| Lady Maud (graded Holstein cow), one year old | H. B. Nichols, Grass Valley | 4 00 |
| Lucia (graded Ayrshire cow), one year old .. | H. B. Nichols, Grass Valley | 4 00 |
| Daisy (graded Jersey cow), one year old .. | R. Noell, Grass Valley | 4 00 |
| Katie, graded Holstein calf | H. B. Nichols, Grass Valley | 2 00 |
| Daisy, graded Ayrshire calf | H. B. Nichols, Grass Valley | 2 00 |
| Baby, graded Jersey calf | R. Noell, Grass Valley | 2 00 |
| SWINE. | | |
| Louisa Hodge, thoroughbred Poland-China sow, two years old and over | Geo. Seville, Grass Valley | 8 00 |
| George, best boar any age | Geo. Seville, Grass Valley | 5 00 |
| Maggie, best breeding sow | Geo. Seville, Grass Valley | 5 00 |
| Isabel and nine pigs, best family | Geo. Seville, Grass Valley | 5 00 |
| POULTRY. | | |
| Best lot of Langhans | C. R. Hill, Grass Valley | 2 50 |
| Best lot of Brown Leghorns | C. R. Hill, Grass Valley | 2 50 |
| Best lot of White Leghorns | C. R. Hill, Grass Valley | 2 50 |
| Best lot of Blue Leghorns | Geo. Seville, Grass Valley | 2 50 |
| Best lot of Brahmas | C. R. Hill, Grass Valley | 2 50 |
| Best lot of Black Spanish | Geo. Seville, Grass Valley | 2 50 |
| Best lot of Plymouth Rocks | C. R. Hill, Grass Valley | 2 50 |
| Best lot of Pekin ducks | C. R. Hill, Grass Valley | 2 50 |
| Best lot of Crested ducks | C. R. Hill, Grass Valley | 2 50 |
| Best lot of Houdans | John Irving, Grass Valley | 2 50 |
| Best lot of White Spanish | Geo. Seville, Grass Valley | 2 50 |
| Best lot of Pigeons | C. R. Hill, Grass Valley | 2 50 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------|-----------------------------------|-------------|
| CLASS II. | | |
| Best concentrator..... | M. C. Taylor, Grass Valley..... | D. & \$2 50 |
| CLASS III. | | |
| Best fruit gatherer..... | Mrs. Amelia Fogeli, Nevada City.. | 1 00 |
| CLASS V. | | |
| Best two-horse wagon..... | E. A. Dunkley, Grass Valley..... | D. & 8 00 |
| SPECIAL MENTION. | | |
| Low pressure steam engine..... | R. E. Jeffrey, Grass Valley..... | ----- |
| Patent vehicle wheel..... | R. E. Jeffrey, Grass Valley..... | ----- |

THIRD DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|----------|
| CLASS III. | | |
| Best tinsmith work..... | Richard Davis, Grass Valley..... | \$2 50 |
| Best blacksmith work (horseshoes)..... | Dan Morgan, Grass Valley..... | 5 00 |
| Best milk cans..... | Elam Biggs, Grass Valley..... | 2 00 |
| Best lead trap (plumbing)..... | Elam Biggs, Grass Valley..... | Sp. men. |
| CLASS IV. | | |
| Best display of cabinet work..... | J. C. McCormick, Grass Valley.... | \$10 00 |
| Model of bed (patented)..... | M. C. Taylor, Grass Valley..... | Sp. men. |
| CLASS VI. | | |
| Best exhibit of furs..... | Mrs. Wm. Curry, Grass Valley.... | \$5 00 |

FOURTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------------|-------------------------------------|--------|
| CLASS I. | | |
| Best silk embroidery..... | Mrs. S. Hare, Grass Valley..... | \$2 50 |
| Best arrasene embroidery..... | Mrs. W. C. Stokes, Grass Valley.. | 2 50 |
| Best cotton embroidery..... | Mrs. S. Hare, Grass Valley..... | 2 50 |
| Best outline embroidery..... | Emma McNeill, Grass Valley..... | 1 50 |
| Best piano scarf..... | J. M. Manning, Grass Valley..... | 2 50 |
| Best table cover..... | Miss Lizzie Horn, Grass Valley.. | 2 50 |
| Best carriage afghan..... | Mrs. Armstrong, Grass Valley..... | 2 50 |
| Best embroidered table scarf..... | Mrs. Emily Jenkins, Grass Valley.. | 2 50 |
| Best chair seat..... | Mrs. S. Wilhelm, Grass Valley..... | 2 50 |
| Best canvas work..... | Mrs. Emily Jenkins, Grass Valley.. | 2 00 |
| Best paper mats..... | S. N. Stranahan, Grass Valley..... | 2 50 |
| Best fine lace work..... | Emma McNeill, Grass Valley..... | 2 00 |
| Best ribbon work..... | Miss Ada Manning, Grass Valley.. | 2 00 |
| Best braid work..... | Miss Lizzie Horn, Grass Valley..... | 2 00 |
| Best applique work..... | Hattie King, Grass Valley..... | 2 00 |
| Best chenille work..... | Maggie Taylor, Grass Valley..... | 2 00 |
| Best applique ornaments..... | Lavinia McLean, Grass Valley..... | 2 50 |
| Best toilet set..... | Maud Granger, Grass Valley..... | 2 50 |
| Best paper flowers..... | Nellie Gummoe, Grass Valley..... | 2 50 |
| Best fire screen..... | Mrs. Wm. Moore, Grass Valley..... | 2 50 |
| Best pillow shams..... | R. S. Murphy, Grass Valley..... | 2 00 |
| Best crochet skirt..... | Elsbeth Walker, Grass Valley..... | 2 00 |
| Best child's afghan..... | Mrs. Geo. Carson, Grass Valley..... | 2 00 |
| Best sofa cushion..... | Miss Fannie Stewart, Grass Valley.. | 1 50 |
| Best hearth rug..... | Mrs. Jane Sims, Grass Valley..... | 1 50 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---|----------|
| Best knit bedspread | Mrs. Zapf, Grass Valley | \$2 00 |
| Best lambrequin | Mrs. S. Wilhelm, Grass Valley | 1 50 |
| Best handkerchief box | Mrs. S. Wilhelm, Grass Valley | 1 50 |
| Best tidy | Miss M. Shoemaker, Grass Valley | 1 00 |
| Best lamp mat | Mrs. Minnie Nelson, Grass Valley | 1 00 |
| Best pincushion | Mrs. H. S. Spaulding, Grass Valley | 1 00 |
| Best kensington work | Mrs. S. Wilhelm, Grass Valley | 2 50 |
| Best darned netting | Miss Ada Manning, Grass Valley | 1 00 |
| Best hair work | Mrs. Armstrong, Grass Valley | 1 00 |
| Best fancy picture frames | Mrs. Wm. Curry, Grass Valley | 1 50 |
| Best ladies' underwear | Miss Stranahan, Nevada City | 3 00 |
| Best ottoman cover | Miss Lizzie Horan, Grass Valley | 1 50 |
| Best hammered brass | Miss Hattie Fisher, Grass Valley | 2 50 |
| Best crochet shawl | Mrs. J. Daniels, Grass Valley | 2 50 |
| Best infant's clothing | Mrs. T. J. Mitchell, Grass Valley | 3 00 |
| Best crazy quilt | Mrs. T. Wilson, Grass Valley | 3 00 |
| Best patchwork quilt | Mrs. J. W. Griffiths, Grass Valley | 1 50 |
| Best knit undervest | Mrs. S. Hare, Grass Valley | 1 00 |
| Best knit cotton stockings | Miss M. Johnston, Grass Valley | 1 50 |
| Best knit wool stockings | Mrs. Geo. Carson, Grass Valley | 1 00 |
| Best Mexican work | Mrs. Maggie Taylor, Grass Valley | 2 50 |
| Best display of fancy work | Mrs. Geo. Mainhart, Grass Valley | 5 00 |
| Best display of fancy work | Mrs. Lizzie Horan, Grass Valley | 3 00 |
| CLASS II. | | |
| Best display of ladies' clothing | Mrs. P. S. Murphy, Grass Valley | 2 50 |
| Best calico dress for lady over eighteen years | Miss F. Buckett, Grass Valley | 3 00 |
| Best misses' dress | Irene Coffin, Grass Valley | 3 00 |
| CLASS III—JUVENILE DEPARTMENT. | | |
| Best patchwork quilt | Maud, George, and Florence Kent, Grass Valley | 1 00 |
| Best crochet work | Birda Zapf, Grass Valley | 1 00 |
| Best cotton embroidery | Bessie Stoddard, Grass Valley | 1 50 |
| Best worsted embroidery | Bessie Hare, Grass Valley | 1 00 |
| CLASS IV. | | |
| Best display of boots and shoes not manufactured in district | White & Moore, Grass Valley | Diploma. |
| Best display of gents' boots | Jos. Bennetts, Grass Valley | \$2 00 |
| Best display of gents' shoes | Jos. Bennetts, Grass Valley | 2 00 |

FIFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|----------------------------------|---------------------------------------|--------|
| CLASS I. | | |
| Best bushel oats | C. R. Hill, Grass Valley | \$2 50 |
| Second best | J. F. Parsons, Grass Valley | 1 50 |
| Best half bushel rye | J. M. Hales, Grass Valley | 2 50 |
| Best half bushel buckwheat | A. Matterson, Grass Valley | 2 50 |
| CLASS II. | | |
| Best Indian corn on stalk | J. R. Balch, Rough and Ready | 2 00 |
| Best sweet corn on stalk | J. R. Balch, Rough and Ready | 2 00 |
| Second best | M. Thornton, Grass Valley | 1 50 |
| Best broomcorn on stalk | J. R. Balch, Rough and Ready | 1 50 |
| Best potatoes | Jno. F. Kidder, Grass Valley | 2 00 |
| Second best | G. & B. Twitchell, Grass Valley | 1 50 |
| Best variety of potatoes | M. Thornton, Grass Valley | 2 00 |
| Best onions | M. Thornton, Grass Valley | 2 00 |
| Second best | W. G. Bovey, Grass Valley | 1 00 |
| Best tomatoes | Lee Foon, Grass Valley | 2 00 |
| Second best | Jno. F. Kidder, Grass Valley | 1 00 |
| Best cabbage | Jno. F. Kidder, Grass Valley | 2 00 |

FIFTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|--|----------|
| Second best cabbage | M. Thornton, Grass Valley | \$1 00 |
| Best watermelons | M. Thornton, Grass Valley | 2 00 |
| Second best | Jno. F. Kidder, Grass Valley | 1 00 |
| Best muskmelons | Lee Foon, Grass Valley | 1 00 |
| Second best | Jno. F. Kidder, Grass Valley | 50 |
| Best parsnips | M. Thornton, Grass Valley | 1 00 |
| Second best | W. G. Bovey, Grass Valley | 50 |
| Best carrots, table | M. Thornton, Grass Valley | 1 00 |
| Second best | S. P. Adams, Grass Valley | 50 |
| Best cucumbers | Jno. Simmonds, Grass Valley | 1 00 |
| Second best | M. Thornton, Grass Valley | 50 |
| Best stock beets | M. Thornton, Grass Valley | 2 00 |
| Best table beets | M. Thornton, Grass Valley | 2 00 |
| Second best | Jno. F. Kidder, Grass Valley | 1 00 |
| Best exhibit of squashes | Jno. F. Kidder, Grass Valley | 2 00 |
| Second best | M. Thornton, Grass Valley | 1 00 |
| Best and greatest variety of vegetables | M. Thornton, Grass Valley | 10 00 |
| Second best and greatest | W. G. Bovey, Grass Valley | 5 00 |
| CLASS III. | | |
| Best display of cultured grasses | J. M. Hales, Grass Valley | 7 50 |
| Second best | A. Matterson, Grass Valley | 5 00 |
| Best display of grain in sheaf | J. M. Hales, Grass Valley | 7 50 |
| Second best | A. Matterson, Grass Valley | 5 00 |
| Best display of hops | Chas. Stokes, Grass Valley | 2 50 |
| Best collection of flowering plants | W. G. Bovey, Grass Valley | 5 00 |
| Second best | Miss Grace Griffiths, Grass Valley | 3 00 |
| Best collection of foliage plants | W. G. Bovey, Grass Valley | 5 00 |
| Second best | Miss Grace Griffiths, Grass Valley | 2 50 |
| Best collection of hanging baskets | Miss Grace Griffiths, Grass Valley | 1 50 |
| Best display of cut flowers | Mrs. F. Payne, Grass Valley | 2 50 |
| Handsome bouquet of cut flowers | Mrs. F. Payne, Grass Valley | 1 50 |
| Second handsomest | Miss Grace Griffiths, Grass Valley | 1 50 |
| Turnips, two varieties | M. Thornton, Grass Valley | Sp. men. |
| Garlic | M. Thornton, Grass Valley | Sp. men. |
| Garden lemon | M. Thornton, Grass Valley | Sp. men. |
| Melon peach | M. Thornton, Grass Valley | Sp. men. |
| Five varieties string beans | M. Thornton, Grass Valley | Sp. men. |
| Nestegg gourd | M. Thornton, Grass Valley | Sp. men. |
| Leeks | M. Thornton, Grass Valley | Sp. men. |
| Ground cherries | M. Thornton, Grass Valley | Sp. men. |
| Peppers on bush | Lee Foon, Grass Valley | Sp. men. |
| Peppers | Jno. F. Kidder, Grass Valley | Sp. men. |
| Gourds, two varieties | Jno. F. Kidder, Grass Valley | Sp. men. |
| CLASS V. | | |
| Best biscuits | Miss Lily Luke, Grass Valley | \$2 00 |
| Best two loaves corn bread | Mrs. Thos. Buckett, Grass Valley | 1 00 |
| Best two loaves rye bread | Mrs. Thos. Buckett, Grass Valley | 1 00 |
| Best two loaves wheat bread | Mrs. Thos. Buckett, Grass Valley | 1 00 |
| Best two loaves graham bread | Mrs. Thos. Buckett, Grass Valley | 1 00 |
| Best one dozen doughnuts | Miss Fannie Stokes, Grass Valley | 1 00 |
| Second best | Mrs. Jane Sims, Grass Valley | 1 00 |
| Best display and greatest variety | Mrs. Thos. Buckett, Grass Valley | 3 00 |

SIXTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|---|--------|
| CLASS I. | | |
| Best display of apples | J. R. Balch, Rough and Ready | \$7 50 |
| Second best | G. Sigerstrand, Pet Hill | 4 00 |
| Third best | L. F. Adams, Grass Valley | 2 00 |
| Best display of pears | J. R. Balch, Rough and Ready | 7 50 |
| Second best | J. W. Stewart, Rough and Ready | 4 00 |
| Third best | G. Sigerstrand, Pet Hill | 2 00 |
| Best display of peaches | J. R. Balch, Rough and Ready | 7 50 |
| Second best | P. F. Smith, Grass Valley | 4 00 |
| Third best | G. Sigerstrand, Pet Hill | 2 00 |
| Best display of plums | W. G. Bovey, Grass Valley | 7 50 |
| Second best | I. W. Hays, Grass Valley | 4 00 |
| Third best | M. Thornton, Grass Valley | 2 00 |
| Best display of nectarines | Miss Maggie Mann, Grass Valley | 5 00 |
| Second best | Jno. Simmonds, Grass Valley | 3 00 |
| Third best | A. Haven, Grass Valley | 2 00 |
| Best display of prunes | J. H. Nile, Rough and Ready | 7 50 |
| Second best | S. N. Stranahan, Nevada City | 4 00 |
| Best display of figs | G. Sigerstrand, Pet Hill | 5 00 |
| Second best | J. H. Nile, Rough and Ready | 3 00 |
| Third best | J. R. Balch, Rough and Ready | 2 00 |
| Best display of oranges | J. H. Nile, Rough and Ready | 5 00 |
| Best display and largest variety of table grapes | J. H. Nile, Rough and Ready | 8 00 |
| Second best | J. R. Balch, Rough and Ready | 6 00 |
| Third best | P. F. Smith, Grass Valley | 4 00 |
| Best display of one kind of grapes | J. H. Nile, Rough and Ready | 7 50 |
| Best display and largest variety of grapes for wine | J. H. Nile, Rough and Ready | 8 00 |
| Second best | P. F. Smith, Grass Valley | 6 00 |
| Best exhibit of blackberries | Miss Edna Stone, Grass Valley | 2 50 |
| Best exhibit of strawberries | Lee Foon, Grass Valley | 2 50 |
| CLASS II. | | |
| Best display of dried apples | S. N. Stranahan, Nevada City | 2 50 |
| Best display of dried pears | S. N. Stranahan, Nevada City | 2 50 |
| Best display of dried peaches | S. N. Stranahan, Nevada City | 2 50 |
| Best display of dried cherries | S. N. Stranahan, Nevada City | 2 50 |
| Best display of dried raisins | S. N. Stranahan, Nevada City | 7 50 |
| Best display of dried prunes | S. N. Stranahan, Nevada City | 2 50 |
| Best display of dried nectarines | S. N. Stranahan, Nevada City | 2 50 |
| Best display of dried figs | S. N. Stranahan, Nevada City | 2 50 |
| Best display of dried plums | S. N. Stranahan, Nevada City | 2 50 |
| Best display of dried berries | S. N. Stranahan, Nevada City | 2 50 |
| Best display of dried fruits | S. N. Stranahan, Nevada City | 10 00 |
| CLASS III. | | |
| Best black walnuts | C. R. Hill, Grass Valley | 2 00 |
| Best English walnuts | Jno. Simmonds, Grass Valley | 4 00 |
| Best soft-shell almonds | S. N. Stranahan, Nevada City | 2 50 |
| Best peanuts | Miss F. Buckett, Grass Valley | 2 50 |
| Best Italian chestnuts | A. Matterson, Grass Valley | 2 50 |
| CLASS IV. | | |
| Best ten pounds honey in comb | W. G. Bovey, Grass Valley | 2 00 |
| Best display of preserves in glass | Mrs. S. N. Stranahan, Nevada City | 3 00 |
| Best display of jellies in glass | Miss Marian Stone, Grass Valley | 5 00 |
| Second best | Mrs. S. Wilhelm, Grass Valley | 3 00 |
| Best display of hermetically sealed fruits | B. Taylor, Rough and Ready | 5 00 |
| Best boiled cider | Mrs. S. N. Stranahan, Nevada City | 3 00 |
| Best display of confectionery (district) | Wm. Williams, Grass Valley | 5 00 |

SEVENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|--|----------|
| CLASS I. | | |
| "Launching the Life Boat" | Miss Maggie Orr, Grass Valley | \$6 00 |
| "Swiss Scene" | Mrs. D. B. Marwick, Grass Valley | 6 00 |
| Landscape | Mrs. Thos. Marshall, Grass Valley | 6 00 |
| "Pharaoh's Horses" | Miss Hattie Fisher, Grass Valley | 6 00 |
| "Santa Clara Valley" | Miss Clara B. King, Grass Valley | 4 00 |
| Fruit piece (grapes) | Mrs. H. S. Spaulding, Grass Valley | 2 50 |
| Pastel painting | Mrs. W. G. Lord, Grass Valley | 2 50 |
| Birds and flowers | Mrs. E. B. Abadie, Grass Valley | 3 50 |
| Charcoal drawings | Mrs. Thos. Marshall, Grass Valley | 3 00 |
| Crayon work | Dan Stewart, Grass Valley | 2 00 |
| Floral pieces | Mrs. H. S. Spaulding, Grass Valley | 1 00 |
| Painted mirror | Mrs. E. R. Abadie, Grass Valley | 2 50 |
| Crayon, "Morning Prayer" | Miss Cora Sutton, Nevada City | 3 00 |
| Porcelain painted plate | Mrs. E. R. Abadie, Grass Valley | 2 00 |
| Portrait of Alma McCormick | Miss Lavinia McLean, Grass Valley | 2 50 |
| Donkey's head | Mrs. T. Wilson, Grass Valley | 1 50 |
| Moonlight scene | Mrs. T. Wilson, Grass Valley | 2 50 |
| Dog's head, from life | Lavinia McLean, Grass Valley | 2 00 |
| Oil portrait | Mrs. H. S. Spaulding, Grass Valley | 2 50 |
| Hollyhocks, from nature | Lavinia McLean, Grass Valley | 1 00 |
| Panel, landscape views | Mrs. D. B. Marwick, Grass Valley | 3 00 |
| Pencil sketches, from life | Mrs. H. S. Spaulding, Grass Valley | 2 50 |
| Japanese lilies | Miss Clara B. King, Grass Valley | 1 50 |
| "Shepherd Boy" | Miss Clara B. King, Grass Valley | 2 00 |
| "Swans and Lilies, and Storks and Rushes" | Mrs. T. Wilson, Grass Valley | 3 00 |
| Vegetables, from nature | Lavinia McLean, Grass Valley | 1 00 |
| CLASS II. | | |
| Best collection of district views | V. S. Dorsey, Grass Valley | 8 00 |
| Best collection of photographs | E. R. Abadie, Grass Valley | Diploma. |
| CLASS IV. | | |
| Best display of gold-bearing ores | North Star Mining Co., G. Valley | \$50 00 |
| Second best | North Banner C. T. Co., G. Valley | 25 00 |

SPEED PROGRAMME.

TUESDAY, SEPTEMBER 1, 1891.

RACE No. 1—RUNNING.

Free for all district horses. \$25 entrance; \$10 forfeit; \$150 added; \$50 to second horse. Three quarters of a mile and repeat.

| | |
|---|------|
| J. Benoit's Kilgariff, by Flood | 1 |
| Eli Benoit's Annie Rooney, by Nick of the Woods | dis. |
| B. A. Penhall's Flora B, by Jim Brown | dis. |

Time—1:17½.

RACE No. 2—TROTTING.

2:26 Class. Free for all. Purse, \$600. Mile heats, best three in five.

| | | | | | |
|--|------|---|---|---|---|
| C. F. Taylor's Sydney J, by Revolution | 1 | 1 | 2 | 2 | 1 |
| John Irving's Pasha, by Echo | 2 | 2 | 1 | 1 | 2 |
| S. K. Treffy's Dinah, by Little Billy | dis. | | | | |

Time—2:30; 2:29½; 2:32; 2:34½; 2:34.

T. C. Snider's Vidette was entered, but was given first money, so she did not start.

RACE No. 3—TROTTING.

For district two-year olds. Purse, \$200. Mile heats, best two in three.

| | | |
|--|------|---|
| Robert Kemp's Hamilton, Jr., by General Hamilton | 1 | 1 |
| Geo. W. Irving's General, by General Hamilton | 2 | 2 |
| Oliver Sirard's M'liis, by Pasha | 3 | 3 |
| Henry Thompson's Stella J, by Pasha | dis. | |

Time—8:38½; 8:31½.

WEDNESDAY, SEPTEMBER 2, 1891.

RACE No. 4—RUNNING.

Nevada County Narrow Gauge Railroad Stake. District. \$25 entrance; \$10 forfeit; \$250 added; \$50 to second horse. One mile and repeat.

| | | |
|---|------|---|
| J. Benoit's Kilgariff, by Flood | 1 | 1 |
| John Skewes' Emma D, by Monarch | 2 | 2 |
| Eli Benoit's Annie Rooney, by Nick of the Woods | dis. | |

Time—1:47; 1:54.

RACE No. 5—RUNNING.

National Hotel Stake. For two-year olds. Free for all. \$25 entrance; \$15 forfeit; \$150 added; \$50 to second horse. Five eighths of a mile.

| | |
|--|---|
| Northern Stable's Kyrene, by Kyrie Daly | 1 |
| B. I. Short's Stella, by Prince of Norfolk | 2 |
| C. T. Boots' Claudia, by Inauguration | 3 |
| Jones & Dunlap's Joshua, by Cyclone | 0 |

Time—1:04.

RACE No. 6—RUNNING.

Free for all. \$25 entrance; \$10 forfeit; \$200 added; \$50 to second horse. One and one quarter miles.

| | |
|---|---|
| C. T. Boots' Index, by Thad Stevens | 1 |
| Northern Stable's Canny Scot, by Leinster | 2 |
| Jones & Dunlap's Dutch, by Joe Daniels | 3 |

Time—2:12.

RACE No. 7—TROTTING.

Special. Purse, \$200; entrance free. Mile heats, best three in five.

| | | | | | | |
|----------------------------|------|---|---|---|---|---|
| James Linden's Alpha | 2 | 1 | 1 | 2 | 2 | 1 |
| T. C. Snider's Chloe | 1 | 2 | 2 | 1 | 3 | 2 |
| C. F. Taylor's Ava | 3 | 3 | 3 | 3 | 1 | 3 |
| Lige Downer's Gibber | dis. | | | | | |

Time—2:37½; 2:35; 2:35½; 2:32½; 2:34½; 2:33½.

THURSDAY, SEPTEMBER 3, 1891.

RACE No. 8—RUNNING.

Nevada City Stake. Free for all. \$25 entrance; \$10 forfeit; \$200 added; \$50 to second horse. One and one eighth miles.

| | |
|---|---|
| Elmwood Stock Farm's Index, by Thad Stevens | 1 |
| James Muse's Wild Oats, by Wildidle | 2 |
| Northern Stable's Nighttime, by Joe Hooker | 3 |

Time—1:59.

RACE No. 9—PACING.

Special. Purse, \$200; entrance free. Mile heats, best three in five.

| | | | | | | |
|---------------------------------|---|---|---|---|---|---|
| James Linden's Lota | 3 | 3 | 1 | 1 | 3 | 1 |
| J. Cochran's San José | 1 | 1 | 3 | 2 | 2 | 2 |
| Lige Downer's Lady Tolman | 2 | 2 | 2 | 3 | 1 | 3 |

Time—2:40; 2:33; 2:37; 2:40; 2:40; 2:41½.

RACE No. 10—TROTTING.

For roadsters. Purse, \$75; \$5 entrance. Mile heats, best two in three.

| | | |
|-----------------------------------|------|---|
| James Zawaskie's Nellie Bly | 1 | 1 |
| W. B. Fowler's Tencer | 2 | 2 |
| George Irving's Emma C | 3 | 3 |
| S. B. Fowler's Barney | dis. | |

Time—3:21; 3:13.

FRIDAY, SEPTEMBER 4, 1891.

RACE No. 11—RUNNING.

Grass Valley Stake. Free for all. \$50 entrance; \$25 forfeit; \$300 added; \$75 to second horse. One mile and repeat.

| | | |
|--|---|---|
| Elmwood Stock Farm's Nerva, by Bob Wooding | 1 | 1 |
| James Muse's Wild Oats, by Wildidle | 2 | 2 |
| Northern Stable's Nighttime, by Joe Hooker | 3 | 3 |

Time—1:45; 1:45.

RACE No. 12—RUNNING.

North Banner Stake. Free for all. \$25 entrance; \$10 forfeit; \$150 added; \$50 to second horse. Three quarters of a mile and repeat.

| | | |
|---|---|---|
| B. I. Short's Joe Harding, by Joe Hooker | 1 | 1 |
| Elmwood Stock Farm's Gladette, by Nathan Coombs | 3 | 2 |
| G. C. Owen's Vinco, by Bob Wooding | 2 | 3 |

Time—1:16½; 1:18.

RACE No. 13—RUNNING.

For saddle horses, catch weights. Purse, \$65; \$5 entrance. Three quarters of a mile.

| | |
|---|---|
| P. Riley's Sir Thad, by Thad Stevens | 1 |
| James Watt's Hazel, by Monarch | 2 |
| Eli Benoit's Annie Rooney, by Nick of the Woods | 3 |

Time—1:20.

RACE No. 14—MIXED RACE.

Special for trotters and pacers. Purse, \$125; entrance free. Mile heats, best three in five.

| | | | | | |
|---------------------------------------|---|------|---|---|---|
| Charles Sherman's George Wapple | 1 | 1 | 2 | 2 | 1 |
| T. C. Snider's Chloe | 2 | 2 | 1 | 1 | 2 |
| J. Cochran's San José | 3 | dis. | | | |
| C. F. Taylor's Ava | 4 | dis. | | | |

Time—2:35; 2:33; 2:35½; 2:35; 2:31.

SATURDAY, SEPTEMBER 8, 1891.

RACE No. 15—RUNNING.

South Yuba Stake. \$25 entrance; \$10 forfeit; \$150 added; \$50 to second horse. Five eighths of a mile and repeat.

| | | | |
|--|---|--------|---|
| B. I. Short's Joe Harding, by Joe Hooker | 1 | 2 | 1 |
| Elmwood Stock Farm's Nerva, by Bob Wooding | 2 | 1 | 2 |
| G. C. Owen's Vinco, by Bob Wooding | 3 | 3 r.o. | |
| J. Benoit's Kilgariff, by Flood | 4 | 4 r.o. | |
| James Watt's Amazon, by Mohawk | 5 | 5 r.o. | |

Time—1:02½; 1:03½; 1:04.

RACE No. 16—RUNNING.

Free for all. \$25 entrance; \$10 forfeit; \$200 added; \$50 to second horse. One and one sixteenth miles.

| | |
|---|---|
| James Muse's Wild Oats, by Wildidle | 1 |
| Northern Stable's Canny Scot, by Leinster | 2 |
| Elmwood Stock Farm's Index, by Thad Stevens | 3 |

Time—1:51½.

RACE No. 17—TROTTING.

2:24 Class. Free for all. Purse, \$600. Mile heats, best three in five.

| | | | | |
|--|------|---|---|---|
| T. C. Snider's Vidette, by Dave Hill, Jr. | 3 | 1 | 1 | 1 |
| John Irving's Pasha, by Echo | 1 | 2 | 2 | 2 |
| C. F. Taylor's Sidney J, by Revolution | 2 | 3 | 3 | 3 |
| S. K. Trefry's Dinah, by Little Billy | dis. | | | |

Time—2:28; 2:30; 2:28; 2:32½.

RACE No. 18—Trotting.

For named horses belonging to mining Superintendents. Purse, \$75; \$5 entrance.
 Mile heats, best two in three.

| | | |
|--------------------------------|---|---|
| George E. Starr's Bell E | 1 | 1 |
| M. L. Elliott's Ball E | 2 | 2 |
| George Mainhart's Jim E | 3 | 3 |
| E. Tilley's Moll E | 4 | 4 |

Time—4:08; 4:14.

TRANSACTIONS

OF THE

EIGHTEENTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the Counties of Alpine, Mono, and Inyo.

OFFICERS OF THE ASSOCIATION.

| | |
|-------------------|------------|
| E. ROBINSON | President. |
| C. W. CRAIG | Secretary. |
| HENRY RHINE | Treasurer. |

DIRECTORS.

| | |
|--------------------------|---------------|
| JOHN S. GORMAN | Independence. |
| WILLIAM S. ENOS | Independence. |
| FINLAY McIVER | Citrus. |
| ELIJAH ROBINSON | Independence. |
| CHARLES A. WALTERS | Independence. |
| BERTRAND RHINE | Independence. |
| T. F. A. CONNELLY | Bishop. |
| ROBERT LOVE | Bishop. |

REPORT.

INDEPENDENCE, November 27, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Eighteenth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

C. W. CRAIG,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|---|----------|-------------------|
| Race subscriptions..... | \$525 00 | |
| Race entrance fees..... | 309 00 | |
| Sale of privileges..... | 111 00 | |
| Sale of annual and single membership tickets..... | 818 00 | |
| Gate receipts at race track..... | 264 25 | |
| Grand stand..... | 48 00 | |
| Pavilion..... | 86 20 | |
| Ball tickets..... | 129 50 | |
| | | \$1,780 95 |
| State appropriation (not yet received)..... | | 3,000 00 |
| | | <u>\$4,780 95</u> |

Expenditures.

| | | |
|--|----------|-------------------|
| Race purses..... | \$700 00 | |
| Entrance fees returned..... | 50 00 | |
| Ladies' tournament..... | 50 00 | |
| Indian pony race..... | 15 00 | |
| Race-rider..... | 5 00 | |
| Premiums..... | 1,832 00 | |
| Advertising and printing..... | 248 50 | |
| Brass band..... | 240 00 | |
| Orchestra music..... | 153 25 | |
| Directors' traveling expenses..... | 183 00 | |
| Employés..... | 185 00 | |
| Salary of Secretary..... | 150 00 | |
| Labor, material, and merchandise..... | 82 13 | |
| Insurance..... | 60 00 | |
| Water..... | 25 00 | |
| Postage, expressage, and telegraphing..... | 18 15 | |
| Care of Pavilion grounds..... | 50 00 | |
| Interest on mortgage on Pavilion..... | 244 48 | |
| Interest on Directors' note, 1890..... | 49 60 | |
| Rent of stock grounds and Pavillion at Bishop, 1891..... | 500 00 | |
| | | \$4,816 11 |
| By balance..... | | 464 84 |
| | | <u>\$4,780 95</u> |

ANNUAL ADDRESS.

DELIVERED AT THE FIFTH ANNUAL FAIR OF AGRICULTURAL DISTRICT
No. 18, AT BISHOP, INYO COUNTY, CAL., ON OCTOBER 3, 1891.

By C. W. CRAIG.

MR. PRESIDENT, LADIES AND GENTLEMEN: The Fifth Annual Fair of Agricultural District No. 18, State of California, closes with this day. Time-honored custom decrees the announcement that the fair has been a grand success, but rarely indeed has the speaker been able to make the assertion with so much of truth as on this occasion. During the past four years two fairs have been held annually in Inyo County, each successful in a moderate way, but no one of them to be compared in point of interest, attendance, and exhibits with that now held. I venture to say there is no person present, nor yet any of the many who have visited this fair, who does not rejoice in that past local differences are settled and petty local jealousies dissipated. Henceforth all sections of the county can work in harmony, and that they may do so is our fervent prayer. Fraternal unity has been long in coming, but it has come at last, and let us hope it will remain always. With Longfellow, we will

"Let the dead past bury its dead,"

And for the future join heart and hand in united efforts for the success of each succeeding fair, which, wherever held, shall be the one and only annual fair in the Eighteenth District.

This long-neglected, because little known, section of California is now steadily advancing, and is destined in the near future to go forward with rapid strides. These annual fairs, when all work in harmony, will do much to hasten an era of great prosperity. They bring together, in a pleasant way, our own people, inviting new and cementing old acquaintances and friendships. The liberal premiums offered create a generous rivalry and incite to greater effort. A real and lasting benefit results from a comparison of products and free interchange of opinion as to the methods employed in their production. Our isolation from the great centers of population by present routes of travel prevents the attendance of many who might otherwise come to know the great resources of this section; but to those who do attend, these exhibitions speak volumes in praise of our soil, climate, and production. It is largely due to the fairs already held that many latent resources of the Eastern Slope have become known, even to dwellers here, and by means of future exhibitions they are sure to be better understood and more appreciated. "'Tis a consummation devoutly to be wished," for certain it is that we are very far from occupying that high position among our sister counties of California to which we are entitled by right of our many and varied natural advantages. When these are as well known abroad as they now are at home, thousands of home-seekers will flock to this favored clime. They will come from the barren hills of New England, from the crowded cities

of the Middle States, from the fever-stricken swamps and everglades of the South, from the ice-bound lakes of the North, and from the cyclone-swept plains west of the Mississippi. They will be glad to come and dwell in this land of plenty, and under these cloudless skies assist in building up prosperous communities, thriving villages, and even busy cities, such as we know can here be maintained. They will come for health; they will come for wealth; and they will secure both. Far less inviting fields have been densely settled in a few hours—as witness Oklahoma and other recent booms—and it is only because this fruitful region is little known beyond its own confines that it is not now teeming with an industrious and thrifty population, one hundred times greater than what now finds sustenance and comparative ease amid its boundless resources. The day of prosperity is near at hand, for we are showing to the world what has been and can be done.

Traveling through the one hundred miles in length of Owens River Valley, and looking over its average width of ten miles, reaching from the foothills of the high Sierras on the west to the base of the scarcely less lofty Inyo Range at the east, the monotony of sagebrush and sand is only here and there broken by a green field of alfalfa or growing grain, and an occasional small orchard or vineyard. In an aggregate of not less than six hundred thousand acres of arable land in this great valley, there is to-day, after a settlement of more than thirty years, not to exceed fifteen thousand acres under actual cultivation, or an average of one acre in forty. And yet, there is no single spot in all this vast territory, where the sagebrush has been broken, the virgin soil upturned, and the thirsty sands moistened by the ever-flowing waters born of the eternal snows of bordering mountains, that has not, as if by magic, been transformed into a veritable oasis—verdant spots upon which the eye rests with a pleasant sense of relief, and each of which tells the truthful tale of nature that here only labor and irrigation are required to build thousands upon thousands of prosperous, healthful, and happy homes; that here are all the natural elements for a great inland State. That this is doubly true has been demonstrated to all who have visited this pavilion during the past few days and gazed with wonder and admiration upon the inviting and very excellent display of home products drawn by the thrifty husbandmen of Inyo from these same widely-scattered spots of erstwhile desert land.

Remembering what here *has been*, knowing what *is*, and reflecting upon what *might be*, how forcibly comes to mind the contemplation of the poet:

“Look 'round the habitable world! how few
Know their own good, or knowing it pursue!”

Water we have in abundance and to spare, with natural storage in the everlasting snow banks and chain of mountain lakes which lie high above and parallel the entire length of the valley. No other part of favored California is so bountifully provided with this most useful element. The water supply is here equal to all possible demands, always certain and practically inexhaustible. The desert soil responds with eager proof of its capability, even to the lone touch of water. At a number of places in this valley, which a year or two ago were bare and barren, may now be seen splendid meadows, in some instances covering a section or more of land, and these have been made by the overflow of surplus irrigating water and nothing more. Wherever the plow and har-

row are used and seed sown, abundant harvests result. In the third of a century of residence in California I have traveled the State from Oregon mist to Arizona desert—or, as has been more poetically said, “from Siskiyou to San Diego, from the Sierra to the sea”—but it was not until the high Sierras were crossed, and this almost unknown Eastern Slope valley reached, that a land was found where you do the planting, and water, soil, and climate do all the rest. The assertion may appear a broad one—and doubtless will to many—yet I believe it to be true that in no place on earth are equal crops raised with so little labor and attention as here in Owens Valley.

The history of California up to about twenty years ago has a parallel on a smaller scale in the history of Inyo County to the present day. We of the Eastern Slope are nearly that far behind our sister counties beyond the mountains in the Sunset State. As men came to the Pacific Coast in the days of '49 at the maddening cry of gold, so men came at a later day to Inyo in search for that and its kindred precious metal, silver, as well as those of lesser value but of equal or greater utility, with which these hills and mountains are now known to abound. Those men, when

“Climbing o'er the mountains' pathless steep,
Threading their ways thro' cañons dark and deep,”

Overlooked a source of agricultural wealth in the valleys of the Golden State far greater than all the mines they found, far more extensive, and such as can never be worked out. They came for mineral wealth, for that alone, and could not or would not see aught else.

Far be it from me, even by remote inference, to reflect unkindly on the pioneer prospectors and miners of California. While not among the first to come, it was my lot to reach the Golden State near the close of the first decade of its settlement, while yet the men who found and made the State held full sway. From childhood I was with them, and in a measure, of them. A hardier, better, nobler class of men never trod God's earth. They are almost gone; those who came from Eastern homes in the early days, in the full pride of strength and young manhood, are now few and far between; like the sands of the glass, they are passing away; and those who reached the promised land in childhood's happy hour, are reminded by bare brows and frosted beards that we, too, must soon totter away to make room for yet another generation—a generation that will find in this fair State greater riches in the soil of its valleys than was ever found in the rocks of its mountains; a generation that will enjoy more peace, plenty, and content by the farm fireside, surrounded by wife and children, than was possible from the old log cabin beneath the sighing pines, with its bachelor occupants, merry though their life appeared to be. Pardon the digression; it is due to the old pioneers, whose memory must never be permitted to fade.

Drifting with the tide of thought that follows remembrance of the long ago, comes a comparison of the present condition of agriculture here with the mining era of earlier days. As the hardy prospector with his pick and shovel climbed the mountain high, and procuring a sample of auriferous gravel, returned to the stream or water-hole to “pan for a prospect,” or, as with pole-pick he broke the croppings of a lode, and selecting his samples, took them to camp to make an assay, so have we gathered here with sample productions from the valleys of the counties comprising Agricultural District No. 18. They have been panned out;

they have been assayed; all here know that we have struck it, and struck it rich. What does the prospecting and assay show? First, that we have horses—not porphyry, but thoroughbreds and standards and excellent grades; that that interest is developing and improving as the years go by; that we are establishing a reputation abroad as a great horse country, our high altitude and rare atmosphere giving great lung power, and our dry, sandy soil insuring good feet. The day is not far distant when Owens Valley will gain renown as one of the leading horse-breeding sections of the United States. The stock parade and races at this fair have clearly shown the prediction to be well founded. Our cattle, hogs, sheep, and fowls pan out first class, and will compare favorably with those of other counties of the State.

But these are only croppings on surface indications. Let us get down to water level, and see if we have anything permanent. The order is reversed, and the water is brought down to the level of the land. What is the result? A showing of corn, wheat, oats, barley, and other grains that are most creditable, and of vegetables and all farm products such as cannot be excelled in any county or district of this or any other State or county. So much for the panning out and the yellow streak of fortune in the bottom of our pan, which, small as it may look, is a certain indication of the great wealth that will surely follow an extensive working of our claim.

And now to the assay of the great ledges. It is a longer and more tedious process, but the returns come to him who has the patience and can afford to wait. The exhibits of vine products are splendid. Grapes of every variety, equaling in size, flavor, and quantity those produced in much older sections and under the care of more experienced vineyardists. Our raisins outrival the best imported from foreign lands, and our wines give great promise for the future. There is certainly much encouragement in this direction, and good pay awaits further development.

We try again this fruitful vein, and find the various side-drifts of peaches, pears, nectarines, plums, and kindred fruits—both fresh and dried—to be of high grade, and know that each carload shipped will net a handsome profit. Of fall and winter apples—a fruit that as here grown cannot be surpassed, and the market for which can never be overstocked—we have a big bonanza. They are of prime quality, the crop is always certain, and they will stand shipment to far distant points. Rich stringers have also been discovered in walnuts, peanuts, almonds, figs, and other things which as yet are only grown as experiments, and which are confidently relied upon to early develop into paying ore bodies. And so with many other things. In fact, we know that everything here grows to perfection if it be planted, watered, and reasonably well cared for.

To follow the simile to its legitimate conclusion, I will say to you people of the Eighteenth District in general, and to those of Inyo in particular (for the reason that this is the great valley county of the Eastern Slope), do not think that because this Fifth Annual Fair is a great success that you are done, or even more than well begun. The exhibit and display here made is a grand one; it is one that would do honor to any land and any people; you may well feel proud over the large measure of success attained. Yet it is only a prospect. It shows what *can be done* here in Owens Valley. It proves the richness of these

wonderful stock-raising, agricultural, viticultural, and horticultural lodes of which you are the discoverers, and in which, by right of discovery, you are entitled to the first locations. Their fame will go abroad; it has already done so; it has attracted some, and will attract many more to this favored field; extensions have been located and will be located far and near; new veins will be discovered and worked, and made to pay. You must not be content, as too many have been in the past, to simply do the assessment work required to hold your claims, or you will surely get left in the race for wealth and competence. Push your own developments and get out all the pay ore you can, always improving and enlarging your works, and aiding your neighbors.

When a stranger comes into camp, welcome him among you, and say to him, what you know to be true, that this is a great and glorious country, and there is here room enough for many thousands. Assist the newcomer to get land in your vicinity; sell or give him some water, for most of you have much more than you require, and will be better off with less. This country needs intelligent irrigation, not flooding.

When the tenderfoot has settled upon and improved the sagebrush land, and increased its value from the Government price of \$1 25 to \$10 per acre, your \$10 land will be worth \$50, and so will all land about you and throughout the valley raise and continue to raise in like proportion.

During the past third of a century we have seen California pass from an almost exclusively mining region through the transitory stages of a stock-raising and ranching country to become a great farming, orchard, and vine-growing State—the greatest in all the land—possessing a prosperity and permanence which only attaches to a commonwealth whose life-blood is drawn from the soil by the sweat of the brow. Inyo to-day is in that transitory stage. Fortunes are to be made and comfort in declining years insured to those who keep step with the march of improvement. It is not for them who idly sit upon the banks of the beautiful river and lazily watch “the golden waters of opportunity flow by.” The mines of Inyo are yet worked, and will be worked for many years to come, at a good profit, and affording an excellent market for much of our home produce, but mining is no longer its only or even its leading industry. The days when vast herds of cattle roamed these valleys without let or hinderance are fast drawing to a close; fences and fields, and irrigating canals and ditches, bar their way. Cosy, comfortable farm-houses spring up in the valley, and the cold and cheerless cabin on the mountain falls into disuse and decay. The cowboy goes hence to make place for the sturdy farmer lad, with his merry song. The absence of woman is of the long past, as is here proven by the outnumbering bevy of female beauty before us, and the many evidences of her taste and handiwork, which have contributed in no small degree to the success of this exhibition. The whistle of the locomotive drowns the *carrakol* of the packer; the rushing of the train over bands of steel outflies the heavy-laden *burro* as he plods along the winding trail; churches and school-houses have arisen in the land, and they have come to stay. A new and better day is dawning. Let us be glad we are here at its opening, and let us feel that the united efforts of this occasion have not been misspent, but that they will have a gladsome, cheerful, and beneficial influence upon the future of our county, our district, and our State.

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------------|---------|
| CLASS I. | | |
| Bronco, thoroughbred stallion | J. J. McBride, Independence..... | \$20 00 |
| Graded colt..... | Mrs. B. Peeler, Bishop..... | 5 00 |
| Graded colt..... | Oscar Hilton, Round Valley..... | 5 00 |
| CLASS III—ROADSTERS—STALLIONS. | | |
| Antare, three years old and over | S. P. Smith, Bishop..... | 15 00 |
| Mt. Vernon Prince, three years old and over | N. E. Conklin, Independence | 7 50 |
| Black Bart, two years old | N. C. Young, Bishop..... | 7 50 |
| Jack, two years old | Frank Meyett, Bishop..... | 5 00 |
| MARES. | | |
| Bay Mandy | N. C. Young, Bishop..... | 10 00 |
| Maud Muldoon, two years old..... | D. R. McLaren, Bishop..... | 5 00 |
| Suckling colt | N. C. Young, Bishop..... | 5 00 |
| Suckling colt | J. A. Lyford, Bishop..... | 5 00 |
| CLASS IV—DRAFT HORSES. | | |
| Ali Baba, Norman stallion | Wm. Rowan, Bishop..... | 20 00 |
| Highland Sandy, Clyde stallion | P. P. Keough, Bishop..... | 20 00 |
| Shakespeare, Shire stallion | Chas. Collins, Bishop..... | 20 00 |
| Gyp and Bell, pair of mares | R. Way, Bishop..... | 20 00 |
| Fan and Kate, pair of mares | Robt. O'Neal, Bishop..... | 10 00 |
| Gelding..... | T. F. A. Connelly, Bishop..... | 7 50 |
| Dixie, mare..... | Wm. Rowan, Bishop..... | 7 50 |
| Breeze, mare one year old | Wm. Rowan, Bishop..... | 5 00 |
| Pete, best in a working test | N. C. Young, Bishop..... | 20 00 |
| CLASS V—HORSES OF ALL WORK—STALLIONS. | | |
| Viscount Saddler, three years old and over..... | William Rowan, Bishop..... | 20 00 |
| Tom, three years old and over..... | Robert Love, Bishop..... | 7 50 |
| Young Muldoon, three years old and over..... | Jacob Vogt, Independence..... | 5 00 |
| Wonderful Boy, one year old | William Rowan, Bishop..... | 5 00 |
| Jesse Harris, one year old | William Rowan, Bishop..... | 2 50 |
| Boy Bill, under one year..... | E. H. Sterling, Bishop..... | 2 50 |
| Extravagance, under one year..... | William Rowan, Bishop..... | 2 50 |
| MARES. | | |
| Queen, three years old and over | William Rowan, Bishop..... | 10 00 |
| Wagner, three years old and over..... | William Rowan, Bishop..... | 7 50 |
| Bay mare, two years old..... | Mrs. Arcularius, Bishop..... | 7 50 |
| Queen, two years old | T. Thomson, Bishop..... | 5 00 |
| Belle, one year old | R. O'Neal, Bishop..... | 5 00 |
| Dot, under one year | William Rowan, Bishop..... | 2 50 |
| CLASS VI—CARRIAGE AND SADDLE HORSES. | | |
| Grant and Logan, carriage team..... | G. W. De la Matyr, Bishop..... | 15 00 |
| Doll and Kit, carriage team | W. D. Roberts, Round Valley..... | 10 00 |
| Frank and Pigeon, geldings to pole..... | Thomas Webb, Independence..... | 10 00 |
| May and June, mares to pole..... | J. H. Stoutenborough, Bishop..... | 10 00 |
| Fred, single gelding | J. E. Rose, Independence..... | 7 50 |
| Dan, saddle horse..... | J. E. Rose, Independence..... | 7 50 |
| CLASS VIII—JACKS AND MULES. | | |
| Nap, jack | I. P. Yaney, Bishop..... | 20 00 |
| Pair mules..... | William Rowan, Bishop..... | 10 00 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------------|---------|
| CLASS I—DURHAMS—BULLS. | | |
| Duke, three years old and over | A. Spencer, Bishop | \$15 00 |
| Prince of Inyo, three years old and over | N. J. Cooley, Bishop | 7 50 |
| Roan, two years old | G. W. De la Matyr, Bishop | 7 50 |
| Crown Prince, one year old | D. R. McLaren, Bishop | 5 00 |
| COWS. | | |
| Oxford Girl, three years old and over | N. J. Cooley, Bishop | 10 00 |
| Red Ellen, three years old and over | A. Spencer, Bishop | 7 50 |
| Catherine, two years old | N. J. Cooley, Bishop | 5 00 |
| CLASS II—JERSEYS—BULLS. | | |
| Rex, three years old and over | William Rowan, Bishop | 10 00 |
| Brigham, one year old | William Rowan, Bishop | 2 50 |
| COWS. | | |
| Fawn, three years old and over | J. H. Bulpitt, Bishop | 7 50 |
| Lily, two years old | William Rowan, Bishop | 5 00 |
| Jennie, one year old | William Rowan, Bishop | 2 50 |
| CLASS III—GRADED COWS. | | |
| Queen, three years old and over | R. O'Neal, Bishop | 7 50 |
| Queen, two years old | D. R. McLaren, Bishop | 5 00 |
| Daisy, one year old | D. R. McLaren, Bishop | 2 50 |
| SWEEPSTAKES. | | |
| Best herd | N. J. Cooley, Bishop | 20 00 |
| Best cow and calf | Robert O'Neal, Bishop | 10 00 |

THIRD DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------------|---------------------------------------|---------|
| CLASS II—SHEEP. | | |
| Best Merino ram | Wm. Watterson, Bishop | \$10 00 |
| Best Shropshire ram | Mark Watterson, Bishop | 10 00 |
| Best pen of ewes | Wm. Watterson, Bishop | 10 00 |
| Four Shropshire ewes | Mark Watterson, Bishop | 5 00 |
| Six graded rams | Wm. Watterson, Bishop | 5 00 |
| CLASS III—GOATS. | | |
| Best Angora buck | Raphael Rossi, Big Pine | 5 00 |
| Best Angora ewes | Raphael Rossi, Big Pine | 5 00 |
| CLASS IV—POULTRY. | | |
| Best geese | Mrs. W. H. Powers, Bishop | 4 00 |
| Second best | Allen Matlick, Bishop | 2 00 |
| Best ducks | Carrie Arcularius, Round Valley | 4 00 |
| Second best | Mrs. W. H. Powers, Bishop | 2 00 |
| Special for ducks | Mrs. W. H. Powers, Bishop | 1 00 |
| Best Langshan chickens | Mrs. Stanton Powers, Bishop | 3 00 |
| Best Plymouth Rock chickens | J. H. Stoutenborough, Bishop | 3 00 |

FOURTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|----------------------------|-----------------------------|--------|
| CLASS I—GRAIN, ETC. | | |
| Best corn, shelled | Thos. Thomson, Bishop | \$4 00 |
| Second best | Wm. McLaren, Bishop | 2 00 |
| Best corn in ear | John Eldred, Bishop | 2 00 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------------------|--------|
| Best corn on stalk..... | N. C. Young, Bishop..... | \$2 00 |
| Second best..... | John Eldred, Bishop..... | 1 00 |
| Best corn, sweet, in ear..... | J. H. Shannon, Bishop..... | 2 00 |
| Second best..... | Miss Nettie Olds, Round Valley..... | 1 00 |
| Best popcorn..... | D. R. McLaren, Bishop..... | 2 00 |
| Second best..... | H. H. McDonald, Bishop..... | 1 00 |
| Best wheat..... | Thos. Thomson, Bishop..... | 4 00 |
| Second best..... | N. C. Young, Bishop..... | 2 00 |
| Best oats..... | Thos. Thomson, Bishop..... | 4 00 |
| Best wheat flour..... | John E. Jones, Round Valley..... | 4 00 |
| Best cornmeal..... | N. C. Young, Bishop..... | 2 00 |
| CLASS II—VEGETABLES. | | |
| Best sweet potatoes..... | A. Matlick, Bishop..... | 2 50 |
| Second best..... | Wm. McLaren, Bishop..... | 1 00 |
| Best Early Rose potatoes..... | Wm. McLaren, Bishop..... | 2 50 |
| Best potatoes of other varieties..... | Jos. Seely, Lone Pine..... | 2 50 |
| Second best..... | Wm. McLaren, Bishop..... | 1 00 |
| Best red onions..... | A. A. Cashbaugh, Bishop..... | 2 00 |
| Best white onions..... | Jos. Konda, Bishop..... | 2 00 |
| Best yellow onions..... | J. W. Claussen, Bishop..... | 2 00 |
| Second best..... | Wm. McLaren, Bishop..... | 1 00 |
| Best white beans..... | John Eldred, Bishop..... | 2 00 |
| Second best..... | J. L. Darrah, Bishop..... | 1 00 |
| Best bayo beans..... | Thos. Thomson, Bishop..... | 2 00 |
| Best lima beans..... | Paul Darrah, Bishop..... | 2 00 |
| Second best..... | T. F. A. Connelly, Bishop..... | 1 00 |
| Best sugar beets..... | C. H. Powers, Bishop..... | 2 00 |
| Best blood beets..... | Thos. Thomson, Bishop..... | 2 00 |
| Second best..... | A. A. Cashbaugh, Bishop..... | 1 00 |
| Best three heads of cabbage..... | A. A. Cashbaugh, Bishop..... | 2 00 |
| Largest cabbage..... | I. P. Yaney, Bishop..... | 1 00 |
| Best three squash..... | Thos. Thomson, Bishop..... | 2 00 |
| Largest squash..... | Thos. Thomson, Bishop..... | 1 00 |
| Best three pumpkins..... | Thos. Thomson, Bishop..... | 2 00 |
| Largest pumpkin..... | Thos. Thomson, Bishop..... | 1 00 |
| Best three watermelons..... | A. A. Cashbaugh, Bishop..... | 2 00 |
| Largest watermelon..... | Jos. Konda, Bishop..... | 1 00 |
| Best three muskmelons..... | H. H. McDonald, Bishop..... | 2 00 |
| Largest muskmelon..... | R. Rossi, Big Pine..... | 1 00 |
| Best parsnips..... | Thos. Thomson, Bishop..... | 2 00 |
| Best carrots..... | Thos. Thomson, Bishop..... | 2 00 |
| Best turnips..... | A. A. Cashbaugh, Bishop..... | 2 00 |
| Best tomatoes..... | C. H. Powers, Bishop..... | 2 00 |
| Best garden peas..... | Thos. Thomson, Bishop..... | 2 00 |
| Best string beans..... | Thos. Thomson, Bishop..... | 2 00 |
| Best cucumbers..... | A. Matlick, Bishop..... | 2 00 |
| Best peppers..... | R. Rossi, Big Pine..... | 2 00 |
| Best agricultural display from one farm..... | Thos. Thomson, Bishop..... | 20 00 |
| Second best..... | Wm. McLaren, Bishop..... | 10 00 |
| CLASS III—DAIRY PRODUCTS. | | |
| Best roll butter..... | Mrs. Wm. Watterson, Bishop..... | 5 00 |
| Second best..... | Miss Laura Powers, Bishop..... | 2 50 |
| Best kit butter..... | Mrs. Stanton Powers, Bishop..... | 5 00 |
| Second best..... | Mrs. W. D. Roberts, Round Valley..... | 2 50 |
| Best cheese..... | A. Matlick, Bishop..... | 5 00 |
| Second best..... | R. Rossi, Big Pine..... | 2 50 |
| CLASS IV—CURED MEATS. | | |
| Best hams..... | Mrs. Wm. McLaren, Bishop..... | 6 00 |
| Best bacon..... | Thos. Thomson, Bishop..... | 4 00 |
| Second best..... | Mrs. Wm. McLaren, Bishop..... | 2 00 |
| Best lard..... | Mrs. J. L. Darrah, Bishop..... | 2 00 |
| Second best..... | Mrs. Wm. McLaren, Bishop..... | 1 00 |
| CLASS V—APIARY. | | |
| Best comb honey..... | Miss Laura Powers, Bishop..... | 5 00 |
| Second best..... | T. F. A. Connelly, Bishop..... | 2 50 |
| Best strained honey..... | Miss Laura Powers, Bishop..... | 2 00 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|--------------------------------|--------|
| Second best strained honey..... | T. F. A. Connelly, Bishop..... | \$1 00 |
| Best apiary display..... | T. F. A. Connelly, Bishop..... | 10 00 |

FIFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------------|--------|
| CLASS I—FRESH FRUITS. | | |
| Best display of apples..... | Joseph Seely, Lone Pine..... | \$5 00 |
| Second best strained honey..... | John Kispert, Independence..... | 2 50 |
| Best apples..... | Mrs. T. Williams, Round Valley..... | 2 50 |
| Second best..... | A. Matlick, Bishop..... | 1 00 |
| Best display of peaches..... | Thomas Kehoe, Independence..... | 5 00 |
| Second best..... | S. A. Densmore, Independence..... | 2 50 |
| Best peaches..... | N. J. Cooley, Bishop..... | 2 50 |
| Second best..... | R. Rossi, Big Pine..... | 1 00 |
| Best display of pears..... | S. A. Densmore, Independence..... | 5 00 |
| Second best..... | J. L. Darrah, Bishop..... | 2 50 |
| Best pears..... | N. C. Young, Bishop..... | 2 50 |
| Second best..... | Joseph Seely, Lone Pine..... | 1 00 |
| Best display of plums..... | S. A. Densmore, Independence..... | 5 00 |
| Best plums..... | S. A. Densmore, Independence..... | 2 50 |
| Best display of prunes..... | J. W. Claussen, Bishop..... | 5 00 |
| Second best..... | S. A. Densmore, Independence..... | 2 50 |
| Best prunes..... | J. W. Claussen, Bishop..... | 2 50 |
| Second best..... | S. A. Densmore, Independence..... | 1 00 |
| Best display of quinces..... | S. A. Densmore, Independence..... | 2 50 |
| Best display of figs..... | Joseph Seely, Lone Pine..... | 2 50 |
| Best display of almonds..... | S. A. Densmore, Independence..... | 2 50 |
| Best display of walnuts..... | Thomas Kehoe, Independence..... | 2 50 |
| Best display of peanuts..... | A. Matlick, Bishop..... | 2 50 |
| Best display of fruit, one orchard..... | S. A. Densmore, Independence..... | 20 00 |
| Second best..... | Mrs. Wm. McLaren, Bishop..... | 10 00 |
| CLASS II—DRIED FRUITS. | | |
| Best apples..... | Mrs. H. H. McDonald, Bishop..... | 2 50 |
| Second best..... | C. A. Walters, Independence..... | 1 00 |
| Best peaches..... | Mrs. H. H. McDonald, Bishop..... | 2 50 |
| Second best..... | C. A. Walters, Independence..... | 1 00 |
| Best pears..... | C. A. Walters, Independence..... | 2 50 |
| Second best..... | S. A. Densmore, Independence..... | 1 00 |
| Best plums..... | S. A. Densmore, Independence..... | 2 50 |
| Second best..... | C. A. Walters, Independence..... | 1 00 |
| Best prunes..... | S. A. Densmore, Independence..... | 2 50 |
| Second best..... | C. A. Walters, Independence..... | 1 00 |
| Best nectarines..... | C. A. Walters, Independence..... | 2 50 |
| Second best..... | S. A. Densmore, Independence..... | 1 00 |
| Best display of dried fruits..... | C. A. Walters, Independence..... | 15 00 |
| Second best..... | S. A. Densmore, Independence..... | 7 50 |
| CLASS III—PRESERVED FRUITS. | | |
| Best fruit in jars..... | Mrs. Stanton Powers, Bishop..... | 10 00 |
| Second best..... | Miss Lea Darrah, Bishop..... | 5 00 |
| Best preserved fruit..... | Mrs. W. D. Roberts, Round Valley..... | 5 00 |
| Second best..... | Mrs. Wm. McLaren, Bishop..... | 2 50 |
| Best jellies and jams..... | Miss Laura Powers, Bishop..... | 5 00 |
| Second best..... | Mrs. Wm. Watterson, Bishop..... | 2 50 |
| Best pickles..... | Mrs. W. H. George, Bishop..... | 5 00 |
| Best catsup..... | Mrs. W. H. George, Bishop..... | 2 50 |

SIXTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------|-------------------------------------|----------|
| CLASS I—GRAPES. | | |
| Best display of grapes..... | Thos. Scott, Bishop..... | \$10 00 |
| Second best..... | J. W. Claussen, Bishop..... | 5 00 |
| Best raisin grapes..... | J. W. Claussen, Bishop..... | 3 00 |
| Second best..... | Thos. Scott, Bishop..... | 1 00 |
| Best wine grapes..... | Jos. Seely, Lone Pine..... | 3 00 |
| Second best..... | R. Rossi, Big Pine..... | 1 00 |
| Best table grapes..... | John Kispert, Independence..... | 3 00 |
| Second best..... | Thos. Scott, Bishop..... | 1 00 |
| CLASS II—GRAPE PRODUCTS. | | |
| Best raisins..... | C. A. Walters, Independence..... | 5 00 |
| Second best..... | Thos. Scott, Bishop..... | 2 50 |
| Best wine..... | Thos. Scott, Bishop..... | 5 00 |
| Second best..... | R. Rossi, Big Pine..... | 2 50 |
| Best dried grapes..... | Thos. Scott, Bishop..... | 2 50 |
| Second best..... | Miss Nettie Olds, Round Valley..... | 1 00 |
| Best strawberries..... | C. A. Walters, Independence..... | Sp. 2 00 |

SEVENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------|-----------------------------|---------|
| CLASS I—MINERALS. | | |
| Best cabinet of minerals..... | L. Munzinger, Bishop..... | \$20 00 |
| Best cabinet of ores..... | W. H. Russell, Benton..... | 10 00 |
| Best display of borax..... | Edward Trudo, Big Pine..... | 5 00 |
| Best display of curios..... | Geo. F. Willis, Bishop..... | 5 00 |

EIGHTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------|---------------------------|--------|
| CLASS I—MANUFACTURES. | | |
| Best heavy harness..... | B. F. Scott, Bishop..... | \$7 50 |
| Best single harness..... | B. F. Scott, Bishop..... | 5 00 |
| Best hand-made horseshoes..... | John Eldred, Bishop..... | 5 00 |
| Best display of soap..... | J. H. Walker, Bishop..... | 5 00 |
| Best express harness..... | B. F. Scott, Bishop..... | 7 50 |

NINTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------------|---------------------------------------|--------|
| CLASS I—COOKING. | | |
| Best fruit cake..... | Miss K. Arcularius, Round Valley..... | \$5 00 |
| Best pound cake..... | Mrs. A. Matlick, Bishop..... | 5 00 |
| Best chocolate cake..... | Mrs. A. Matlick, Bishop..... | 2 50 |
| Best cream cake..... | Mrs. A. Matlick, Bishop..... | 2 50 |
| Best wheat bread..... | Mrs. A. Matlick, Bishop..... | 2 50 |
| Best brown bread..... | Miss Nettie Olds, Round Valley..... | 2 50 |
| Best corn bread..... | Mrs. H. H. McDonald, Bishop..... | 2 50 |
| Best rusks..... | Mrs. H. H. McDonald, Bishop..... | 2 50 |
| Best pumpkin pies..... | Miss Laura Powers, Bishop..... | 6 00 |

TENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|--------------------------------|---------|
| CLASS I—PAINTINGS, ETC. | | |
| Best collection of paintings and drawings. | Miss Lillian O'Hara, Bishop | \$10 00 |
| Best oil painting on canvas | Miss Lillian O'Hara, Bishop | 5 00 |
| Best oil painting on satin | Miss Lillian O'Hara, Bishop | 5 00 |
| Best oil painting portrait | Miss Lillian O'Hara, Bishop | 5 00 |
| Best painting, water colors | Miss Lillian O'Hara, Bishop | 2 50 |
| Best painting, India ink | Miss Lillian O'Hara, Bishop | 2 50 |
| Best painting, pastel | Miss Lillian O'Hara, Bishop | 2 50 |
| Best painting, luster | Miss Lillian O'Hara, Bishop | 2 50 |
| Best drawing, crayon | Miss Lillian O'Hara, Bishop | 2 50 |
| Best drawing, pencil | Miss Lillian O'Hara, Bishop | 2 50 |
| Best charcoal sketch | Miss Lillian O'Hara, Bishop | 2 50 |
| Best plaques | Mrs. W. H. Powers, Bishop | 2 50 |
| Best pen drawing | George W. Neill, Bishop | 2 50 |
| Best penmanship | George W. Neill, Bishop | 2 50 |
| CLASS II—FANCY AND NEEDLE WORK. | | |
| Best exhibit of fancy work | Mrs. H. E. Wright, Bishop | 10 00 |
| Second best | Mrs. D. Levy, Bishop | 5 00 |
| Best exhibit of crochet work | Mrs. George L. Drake, Bishop | 5 00 |
| Best exhibit of sewing | Mrs. Wm. McLaren, Bishop | 2 50 |
| Best embroidery, silk | Miss Lillian O'Hara, Bishop | 2 50 |
| Best embroidery, cotton | Miss Lillian O'Hara, Bishop | 2 50 |
| Best embroidery on lace | Miss Lillian O'Hara, Bishop | 2 50 |
| Best point lace work | Miss Lillian O'Hara, Bishop | 2 50 |
| Best sofa cushion | Mrs. D. Levy, Bishop | 2 50 |
| Best angora rug | R. Rossi, Big Pine | 2 50 |
| Best wall pocket | Mrs. H. E. Wright, Bishop | 2 50 |
| Best fire screen | Miss Lillian O'Hara, Bishop | 2 50 |
| Best kensington work | Mrs. H. E. Wright, Bishop | 2 50 |
| Best chenille work | Mrs. H. A. Burgess, Bishop | 2 50 |
| Best crochet work | Mrs. George L. Drake, Bishop | 2 50 |
| Best transfer work | Mrs. J. L. Darrah, Bishop | 2 50 |
| Best crazy patchwork | Mrs. H. E. Wright, Bishop | 2 50 |
| Best arrasene work | Miss Nettie Olds, Round Valley | 2 50 |
| Best knitted quilt | Miss Lillian O'Hara, Bishop | 2 50 |
| Best tatting work | Miss Lillian O'Hara, Bishop | 2 50 |
| Best knitting work | Mrs. A. Matlick, Bishop | 2 50 |
| Best Spanish work | Mrs. H. A. Burgess, Bishop | 2 50 |
| Best afghan | Mrs. J. Stoutenborough, Bishop | 2 50 |
| Best toilet set | Miss Lillian O'Hara, Bishop | 2 50 |
| Best hearth rug | Mrs. H. E. Wright, Bishop | 2 50 |
| Best table scarf | Miss Lillian O'Hara, Bishop | 2 50 |
| Best quilt | Mrs. T. Williams, Round Valley | 2 50 |
| Best child's dress | Miss Mabel Chalfant, Bishop | 2 50 |
| Best infant's dress | Mrs. W. H. Powers, Bishop | 2 50 |
| Best draped curtains | Mrs. D. Levy, Bishop | 2 50 |
| Best display, four pieces | Mrs. F. Conn, Big Pine | 2 50 |
| Best lambrequin | Miss Lillian O'Hara, Bishop | 2 50 |
| Best baby robe | Mrs. George L. Drake, Bishop | 2 50 |
| Best table drape | Mrs. J. Stoutenborough, Bishop | 2 50 |
| Best old skirt | Mrs. J. H. Shannon, Bishop | 2 50 |
| Best old quilt | Mrs. W. H. George, Bishop | 2 50 |
| CLASS III—JUVENILE. | | |
| Best display of fancy work | Sarah Piper, Oasis | 4 00 |
| Best display of needle work | Agnes Chalfant, Bishop | 2 00 |
| Best child's dress | Dane Burgess, Bishop | 2 00 |
| Best embroidery | Sarah Piper, Oasis | 2 00 |
| Best sewing | Laura Darrah, Bishop | 2 00 |
| Best charmstring | Stella McLaren, Bishop | 2 00 |

SPECIAL AWARDS.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------|--|--------|
| Hair frame | Mrs. George L. Drake, Bishop..... | \$2 50 |
| Leather frame | Mrs. George L. Drake, Bishop..... | 2 50 |
| History (school work)..... | Miss Ritta M. Drake, Bishop..... | 1 50 |
| Braided pillow shams | Miss Lillian O'Hara, Bishop..... | 2 50 |
| Roman embroidery | Miss Lillian O'Hara, Bishop..... | 2 50 |
| Painting on glass | Miss Lillian O'Hara, Bishop..... | 2 50 |
| Painting on porcelain | Miss Lillian O'Hara, Bishop..... | 2 50 |
| Fleece | Mark Watterson, Bishop..... | 2 00 |
| Japanese panel | Mark Watterson, Bishop..... | 2 00 |
| Ornamental book | Mrs. D. Levy, Bishop..... | 1 50 |
| Sunflowers | Robert Love, Bishop..... | 1 00 |
| Job printing | W. A. Chalfant, Bishop..... | 1 50 |
| Skirt | Mrs. H. A. Burgess, Bishop..... | 1 50 |
| Cape | Mrs. H. A. Burgess, Bishop..... | 1 50 |
| Handkerchief case | Mrs. H. A. Burgess, Bishop..... | 1 50 |
| Lady's suit | Miss Nettie Olds, Round Valley..... | 2 00 |
| Pampas plumes | Joseph Seely, Lone Pine..... | 2 00 |
| Chestnut burs | Thomas Kehoe, Independence..... | 2 00 |
| Japanese persimmons | Mrs. S. A. Densmore, Independence..... | 2 50 |
| Peach wine | Mrs. S. A. Densmore, Independence..... | 1 00 |
| Cider | Mrs. Wm. McLaren, Bishop..... | 1 00 |
| Vinegar | Mrs. Wm. McLaren, Bishop..... | 2 00 |
| Flowers | Mrs. T. Williams, Round Valley..... | 2 00 |
| Eggs | Chester Keough, Bishop..... | 1 00 |
| Pair of flasks | Mrs. H. E. Wright, Bishop..... | 2 00 |
| Ottoman | Mrs. H. E. Wright, Bishop..... | 1 00 |
| Macrame work | Mrs. H. E. Wright, Bishop..... | 2 00 |
| Dressing gown | Mrs. H. E. Wright, Bishop..... | 2 00 |
| Piano spread | Mrs. H. E. Wright, Bishop..... | 2 50 |
| Cravat case | Miss Hattie Bulpitt, Bishop..... | 2 50 |
| Handkerchief case | Miss Hattie Bulpitt, Bishop..... | 2 50 |
| Flowers | Miss Laura Powers, Bishop..... | 1 50 |
| Pomegranates | Joseph Seely, Lone Pine..... | 1 00 |
| Sorghum | Andrew Clark, Bishop..... | 2 50 |
| Paintings | Miss M. Conners, Hawthorne, Nev..... | 5 00 |

SPEED PROGRAMME.

TUESDAY, SEPTEMBER 29, 1891.

RACE No. 1—TROTTING.

For two-year olds raised in district. Purse, \$100. Mile heats, best two in three.

| | | |
|---|---|------|
| J. M. Horton's Jack | 1 | 1 |
| N. C. Young's Black Bart, by Truckee; dam, Amanda | 3 | 2 |
| R. W. Scott's Ben Benton, by Albenton | 2 | dis. |

Time—3:41½; 3:56½.

RACE No. 2—RUNNING.

For three-year olds raised in district. Purse, \$75. Half mile and repeat.

| | | |
|---|---|---|
| Leslie Horton's black colt | 1 | 1 |
| A. L. Conklin's 19½, by Little Jack; dam, Little Goat | 2 | 2 |

Time—0:55½; 0:56½.

THURSDAY, OCTOBER 1, 1891.

RACE No. 3—RUNNING.

For saddle horses. Purse, \$50. Half mile and repeat.

| | | |
|-----------------------------|---|------|
| Geo. F. Drake's Rondo | 1 | 1 |
| Chas. Dixon's Pinto | 2 | 2 |
| Chas. Summers' Billy | | dis. |

Time—0:56; 1:02½.

RACE No. 4—RUNNING.

For horses owned six months in the district. Purse, \$75. Half mile and repeat.

| | | |
|---|---|------|
| J. E. Rose's Bronco, by Joe Hooker; dam, Laura Winston | 1 | 1 |
| S. P. Smith's Pickpocket, by Joe Daniels; dam, Mattie C. | 3 | 2 |
| Leslie Horton's black colt | 2 | dis. |

Time—0:51½; 0:51.

FRIDAY, OCTOBER 2, 1891.

RACE No. 5—TROTTING.

For untried horses raised in district. Purse, \$100.

| | |
|--|------|
| J. G. W. Birchim's Pete, by Ethan Allen; dam, by Red Bird | 1 |
| I. H. Mulholland's Inyo, by Albenton; dam, by Dietz' St. Clair | dis. |

Time—2:55.

RACE No. 6—TROTTING.

For stallions owned in district. Purse, \$150. Mile heats, best three in five.

| | | | | |
|--|---|---|---|---|
| A. H. Allen's Andy | 1 | 2 | 1 | 1 |
| S. P. Smith's Antare, by Antero; dam, Sallie W | 2 | 1 | 2 | 2 |

Time—2:59; 3:00; 2:54½; 2:55.

SATURDAY, OCTOBER 3, 1891.

RACE No. 7—TROTTING.

3:00 Class. Purse, \$100. Mile heats, best three in five.

| | | | |
|---|---|---|------|
| J. G. W. Birchim's Pete, by Ethan Allen; dam, by Red Bird | 1 | 2 | 1 |
| S. P. Smith's Antare, by Antero; dam, Sallie W | 2 | 1 | dis. |

Time—3:02½; 2:57; 2:47½.

RACE No. 8—TROTTING.

For three-year olds raised in the district. Purse, \$50. Mile heats, best two in three.

| | | |
|--|---|---|
| Conklin Bros.' Patsy, by Albenton | 1 | 1 |
| I. H. Mulholland's Inyo, by Albenton; dam, by Deitz' St. Clair | 2 | 2 |

Time—3:10; 3:08½.

LADIES' TOURNAMENT.

Entries: Miss Frankie Shaw, of Bishop; Miss Nettie Olds, of Round Valley; Mrs. A. Valverde, of Bishop.

First premium, \$25, was awarded to Miss Frankie Shaw. The judges were unable to decide as to who should receive second premium, so an award of \$15 was made to each of the other two ladies.

TRANSACTIONS

OF THE

NINETEENTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of South Half of the County of Santa Barbara.

OFFICERS OF THE ASSOCIATION.

| | |
|------------------------|------------|
| CHARLES P. LOW | President. |
| HENRY B. BRASTOW | Secretary. |
| A. L. LINCOLN | Treasurer. |

DIRECTORS.

| | |
|-------------------------|----------------|
| CHARLES P. LOW | Santa Barbara. |
| G. C. PACKARD | Montecito. |
| A. HAYMAN | Santa Barbara. |
| E. C. ROEDER | Santa Barbara. |
| W. B. JAMES | Santa Barbara. |
| KINTON STEVENS | Montecito. |
| D. M. DIMMICK | Carpenteria. |
| J. C. CHAMBERLAIN | Goleta. |

REPORT.

SANTA BARBARA, November 19, 1891.

To the honorable the State Board of Agriculture :

GENTLEMEN: The Directors of the Nineteenth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

HENRY B. BRASTOW,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | |
|---|-------------------|
| Balance from 1890 | \$849 30 |
| Sale of tickets | 2,344 75 |
| Grand stand | 282 62 |
| Advertising in premium list | 127 50 |
| Sale of privileges | 250 00 |
| Race entries | 1,285 00 |
| National Trotting Association, dues collected | 31 50 |
| State warrant | 2,500 00 |
| | <u>\$7,850 65</u> |

Expenditures.

| | |
|--|----------|
| Returned to Elias Williams, entry fee in free for all race of 1888.. | \$50 00 |
| Cash premiums, 1891 | 1,239 00 |
| Race purses, meeting of 1891 | 2,670 00 |
| F. S. Malone, presiding judge of races | 100 00 |
| O. F. Treanor, starter | 15 00 |
| G. S. Hartley, distance judge | 8 00 |
| T. B. Curley, clerk of scales | 12 00 |
| Prof. R. J. Hawkins, balloon contract | 500 00 |
| Music, day and evening | 337 65 |
| Purse to baseball clubs | 25 00 |
| Dues to National Trotting Association | 25 00 |
| W. C. Smith, repairs on sheds | 70 00 |
| Fair Publishing House, supplies | 30 05 |
| Enterprise Show Printing House | 7 50 |
| Calvert Lithograph Company, posters | 24 82 |
| Strowbridge Lithograph Company, posters | 51 80 |
| Breeder and Sportsman, advertising | 35 00 |
| People's Journal, advertising | 10 00 |
| Ventura Democrat, advertising | 10 00 |
| Santa Barbara Herald, advertising | 6 00 |
| Santa Maria Times, advertising | 6 00 |
| Santa Barbara Press, advertising | 20 00 |
| Santa Barbara Independent, advertising | 40 00 |
| Santa Barbara Independent, printing | 189 50 |
| Candy & Doane, printing | 1 75 |
| Wells, Fargo & Co., express | 28 45 |
| Charles H. Kelton, doorkeeper | 17 10 |
| J. M. Garrettson, gatekeeper | 20 00 |
| A. Davis, gatekeeper | 20 00 |
| A. O. Perkins, ticket clerk | 20 00 |
| F. T. Packard, ticket clerk | 23 50 |
| O. B. Farnum, entry clerk | 25 00 |
| L. C. Everett, entry clerk | 24 00 |
| R. D. Perham, police | 12 00 |

| | |
|--|--------|
| G. Fullington, police | \$5 00 |
| D. W. Martin, marshal | 12 00 |
| A. Crabb, marshal | 12 00 |
| A. Crawford, night watch | 22 00 |
| J. A. Ogden, night watch | 15 00 |
| Frank Wolf, labor | 17 00 |
| Mark Hartley, labor | 19 50 |
| W. W. Richards, labor | 10 00 |
| Charles F. Hall, labor | 11 00 |
| R. E. Compton, labor | 8 50 |
| H. E. Packard, labor | 5 50 |
| Frank Kippen, labor | 2 00 |
| G. Shepherd, bill posting | 4 00 |
| Mentzel & Ramsey, bill posting | 8 60 |
| W. J. Stafford, bill posting | 5 00 |
| F. Scofield, rent of showcase | 1 00 |
| Emery & Brown, carpenter work | 29 00 |
| G. C. Packard, sundries | 82 95 |
| W. J. McCoy, services | 6 05 |
| Charles D. Crowell, carting plants, etc. | 28 00 |
| G. H. Walker, carting palm trees | 58 50 |
| T. P. A. Williams, carting lumber to and from fair | 54 60 |
| Santa Barbara Lumber Company, lumber | 71 79 |
| T. P. A. Williams, repairs race track | 30 00 |
| M. F. Hamer, badges | 2 25 |
| Noble & Hitchcock, ribbons | 4 75 |
| H. F. Maguire, cloth | 4 00 |
| Roeder & Ott, repairs | 8 60 |
| Booth & Packard, supplies | 15 60 |
| R. W. Owen, straw | 35 00 |
| E. B. Chambers, silver cups | 47 00 |
| Santa Barbara Water Company, water | 40 00 |
| Electric Light Company, lights | 25 00 |
| F. H. Knight & Co., rent of chairs | 18 00 |
| Charles F. Eaton, bill of labor paid | 26 00 |
| T. & A. Goux, supplies | 60 25 |
| First National Bank, interest on loan | 9 99 |
| T. P. A. Williams, rent of stalls | 75 00 |
| Rent of Pavilion and Fair Grounds | 300 00 |
| Stationery, postage, stamps, and cards | 16 95 |
| F. A. Conant, engraving | 5 50 |
| James Morgan, Superintendent Horse Department | 25 00 |
| Mrs. Mary A. Ashley, Superintendent Ladies' Department | 10 00 |
| Mrs. James Shepherd, Superintendent Culinary Department | 10 00 |
| Mrs. E. E. Packard, Superintendent Children's Department | 10 00 |
| Charles F. Eaton, Superintendent Pavilion | 25 00 |
| D. M. Dimmick | 31 00 |
| J. C. Chamberlain | 30 50 |
| Kinton Stevens | 31 00 |
| T. C. Nance | 25 00 |
| A. W. Buell | 25 00 |
| Charles P. Low | 25 00 |
| G. C. Packard | 25 00 |
| A. L. Lincoln, Treasurer | 25 00 |
| H. B. Brastow, Secretary, salary for 1891 | 300 00 |
| Balance, cash on hand | 276 15 |

 \$7,650 65

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------------------|---------|
| THOROUGHBREDS—STALLIONS. | | |
| Bruce, four years old and over..... | Hill Bros., Santa Barbara..... | \$20 00 |
| STANDARD TROTTERS—STALLIONS. | | |
| Rosewald, four years old and over..... | C. A. Storke, Santa Barbara..... | 20 00 |
| San Miguel, four years old and over..... | Ortega & Fisher, Santa Barbara..... | 10 00 |
| MARES. | | |
| Miss Monroe, four years old and over..... | Hill Bros., Santa Barbara..... | 15 00 |
| ROADSTERS—STALLIONS. | | |
| Commodore Nutwood, four yrs. old and over..... | Hill Bros., Santa Barbara..... | 20 00 |
| Don Patricio, four years old and over..... | I. K. Fisher, Santa Barbara..... | 10 00 |
| Emory, three years old..... | T. P. A. Williams, Santa Barbara..... | 10 00 |
| Garfield, three years old..... | N. B. Buckage, Santa Barbara..... | 5 00 |
| Harry Stamboul, two years old..... | John S. Bell, Santa Barbara..... | 6 00 |
| —, two years old..... | O. N. Shepherd, Carpenteria..... | 3 00 |
| —, one year old..... | G. F. Smith, Carpenteria..... | 4 00 |
| —, one year old..... | J. C. Wilson, Santa Barbara..... | 2 00 |
| MARES. | | |
| Seagull, three years old..... | I. K. Fisher, Santa Barbara..... | 10 00 |
| Nida, two years old..... | B. E. Baker, Santa Barbara..... | 6 00 |
| Minnie Warren, two years old..... | T. P. A. Williams, Santa Barbara..... | 3 00 |
| Grenada, one year old..... | J. S. Bell, Santa Barbara..... | 5 00 |
| Daisy, one year old..... | N. B. Buckage, Santa Barbara..... | 3 00 |
| —, colt..... | J. Shepherd, Carpenteria..... | 2 00 |
| BUGGY HORSES. | | |
| Dottie..... | A. W. Buell, Santa Barbara..... | 8 00 |
| Jim..... | R. A. Stewart, Santa Barbara..... | 4 00 |
| FAMILIES. | | |
| Don Patricio and four colts..... | I. K. Fisher, Santa Barbara..... | 15 00 |
| DRAFT HORSES—STALLIONS. | | |
| Banchony, four years old and over..... | E. E. Bliss, Santa Barbara..... | 20 00 |
| Marben, four years old and over..... | E. E. Bliss, Santa Barbara..... | 10 00 |
| Wizard 2d, three years old..... | E. E. Bliss, Santa Barbara..... | 10 00 |
| Ironclad, three years old..... | A. H. Phillips, Goleta..... | 5 00 |
| San Antonio, two years old..... | W. M. Hicks, Goleta..... | 6 00 |
| Jeff Davis, colt..... | A. H. Phillips, Goleta..... | 2 00 |
| MARES. | | |
| Dollie, four years old..... | A. H. Phillips, Goleta..... | 15 00 |
| Belle, four years old..... | F. Doty, Naples..... | 8 00 |
| Lucy, three years old..... | F. Doty, Naples..... | 10 00 |
| Kitty, two years old..... | A. H. Phillips, Goleta..... | 6 00 |
| Flora, one year old..... | A. H. Phillips, Goleta..... | 5 00 |
| DRAFT TEAMS. | | |
| Best draft team..... | J. Pickett, Santa Barbara..... | 10 00 |
| Second best..... | A. H. Phillips, Goleta..... | 5 00 |
| CARRIAGE HORSES. | | |
| Best carriage team..... | J. O. Williams, Goleta..... | 15 00 |
| Second best..... | S. G. Robinson, Santa Barbara..... | 8 00 |
| Best single carriage horse..... | A. W. Buell, Santa Barbara..... | 8 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------------|---------|
| HORSES FOR ALL PURPOSES—STALLIONS. | | |
| Ben Butler, four years old..... | A. H. Phillips, Goleta..... | \$20 00 |
| Walnut, two years old..... | J. H. Williams, Naples..... | 6 00 |
| MARES. | | |
| Betty, four years old..... | S. G. Robinson, Santa Barbara..... | 15 00 |
| Mollie, four years old..... | Wm. Robinson, Santa Barbara..... | 8 00 |
| Betsy, three years old..... | Wm. Robinson, Santa Barbara..... | 10 00 |
| Nellie, three years old..... | F. Doty, Naples..... | 5 00 |
| Kate, suckling colt..... | S. G. Robinson, Santa Barbara..... | 2 00 |
| SADDLE HORSES. | | |
| Myra..... | E. Catlett, Goleta..... | 8 00 |
| MULES. | | |
| Best span of mules..... | I. K. Fisher, Santa Barbara..... | 15 00 |
| JACKS AND JENNIES. | | |
| Wonder, jack, four years old..... | E. Catlett, Goleta..... | 6 00 |
| Belle, jenny, one year old..... | E. Catlett, Goleta..... | 3 00 |
| REGISTERED JERSEY CATTLE. | | |
| Best cow, three years old..... | H. E. Packard, Santa Barbara..... | 8 00 |
| Best calf..... | H. E. Packard, Santa Barbara..... | 3 00 |
| GRADED CATTLE. | | |
| Best bull, four years old and over..... | I. K. Fisher, Santa Barbara..... | 8 00 |
| Second best..... | C. N. Leite, Goleta..... | 4 00 |
| Best cow, three years old and over..... | David Peterson, Santa Barbara..... | 8 00 |
| Second best..... | W. P. Sprout, Santa Barbara..... | 4 00 |
| Best heifer..... | W. P. Sprout, Santa Barbara..... | 5 00 |
| Second best..... | David Peterson, Santa Barbara..... | 3 00 |
| Best calf..... | W. P. Sprout, Santa Barbara..... | 2 00 |
| Best herd of cattle..... | W. P. Sprout, Santa Barbara..... | 15 00 |
| SWINE. | | |
| Best Berkshire boar..... | Joseph Faulding, Santa Barbara..... | 10 00 |
| Best Essex boar..... | Joseph Faulding, Santa Barbara..... | 10 00 |
| Best Essex sow..... | Joseph Faulding, Santa Barbara..... | 8 00 |
| Best Essex sow and pigs..... | Joseph Faulding, Santa Barbara..... | 8 00 |
| Best Poland-China boar..... | A. H. Phillips, Goleta..... | 10 00 |
| Best Poland-China sow..... | A. H. Phillips, Goleta..... | 8 00 |
| Best Poland-China sow and pigs..... | A. H. Phillips, Goleta..... | 8 00 |
| Best grade boar..... | Joseph Faulding, Santa Barbara..... | 5 00 |
| Best grade sow..... | Joseph Faulding, Santa Barbara..... | 5 00 |
| Best pen of pigs, over eight weeks old..... | Joseph Faulding, Santa Barbara..... | 5 00 |
| Best sow and pigs, six weeks old..... | Joseph Faulding, Santa Barbara..... | 5 00 |
| Largest hog..... | A. H. Phillips, Goleta..... | 10 00 |
| POULTRY. | | |
| Best trio Light Brahmas..... | N. J. Saunders, Santa Barbara..... | 2 00 |
| Best trio Plymouth Rocks..... | N. M. Packard, Santa Barbara..... | 2 00 |
| Best trio Silver-spangled Hamburgs..... | N. J. Saunders, Santa Barbara..... | 2 00 |
| Best trio White-crested Polands..... | H. Monassian, Santa Barbara..... | 2 00 |
| Second best..... | H. Monassian, Santa Barbara..... | 1 00 |
| Best trio Bantams..... | P. G. Case, Santa Barbara..... | 2 00 |
| Best trio turkeys..... | W. S. Parks, Santa Barbara..... | 3 00 |
| Largest turkey..... | A. H. Phillips, Goleta..... | 2 00 |
| Best Pekin ducks..... | T. P. A. Williams, Santa Barbara..... | 2 00 |
| Second best..... | T. P. A. Williams, Santa Barbara..... | 1 00 |
| Best ducks of any breed..... | T. P. A. Williams, Santa Barbara..... | 2 00 |
| Second best..... | T. P. A. Williams, Santa Barbara..... | 1 00 |
| Best exhibit of fancy pigeons..... | H. E. Packard, Santa Barbara..... | 4 00 |
| Second best..... | N. J. Saunders, Santa Barbara..... | 2 00 |
| Best Guinea fowls..... | H. Monassian, Santa Barbara..... | 2 00 |
| Best Guinea pigs..... | H. E. Packard, Santa Barbara..... | 2 00 |
| Second best..... | O. J. Chamberlain, Goleta..... | 1 00 |
| Best rabbits..... | H. E. Packard, Santa Barbara..... | 2 00 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------------|---------|
| FARM PRODUCTS. | | |
| Best exhibit of farm products..... | D. M. Dimmick, Carpenteria..... | \$15 00 |
| Second best..... | C. N. Leete, Goleta..... | 7 50 |
| Best exhibit of products of garden and orchard..... | D. M. Dimmick, Carpenteria..... | 15 00 |
| Best exhibit of wheat..... | J. G. Doty, Santa Barbara..... | 3 00 |
| Second best..... | F. Doty, Naples..... | 1 50 |
| Best exhibit of barley..... | A. H. Phillips, Goleta..... | 3 00 |
| Second best..... | D. M. Dimmick, Carpenteria..... | 1 50 |
| Best exhibit of shelled corn..... | A. H. Phillips, Goleta..... | 3 00 |
| Second best..... | C. N. Leete, Goleta..... | 1 50 |
| Best exhibit of corn in the ear..... | J. G. Doty, Santa Barbara..... | 3 00 |
| Second best..... | I. B. Pierce, Santa Barbara..... | 1 50 |
| Best exhibit of corn on stalk..... | J. G. Doty, Santa Barbara..... | 3 00 |
| Second best..... | D. M. Dimmick, Carpenteria..... | 1 50 |
| Best exhibit of sweet corn..... | Henry Fish, Carpenteria..... | 5 00 |
| Second best..... | C. N. Leete, Goleta..... | 1 50 |
| Best exhibit of popcorn..... | J. G. Doty, Santa Barbara..... | 3 00 |
| Second best..... | D. M. Dimmick, Carpenteria..... | 1 50 |
| Largest squash..... | I. K. Fisher, Santa Barbara..... | 3 00 |
| Second largest..... | W. N. Roberts, Goleta..... | 1 50 |
| Largest watermelon..... | J. C. Chamberlain, Goleta..... | 1 00 |
| Second largest..... | H. Langman, Goleta..... | 50 |
| Best muskmelon..... | H. Langman, Goleta..... | 1 00 |
| Second best..... | C. N. Leete, Goleta..... | 50 |
| Best exhibit of onions..... | P. Meigs, Santa Barbara..... | 3 00 |
| Second best..... | J. G. Doty, Santa Barbara..... | 1 50 |
| Best exhibit of cabbage..... | A. H. Phillips, Goleta..... | 3 00 |
| Second best..... | J. G. Doty, Santa Barbara..... | 1 50 |
| Best exhibit of beets..... | J. G. Doty, Santa Barbara..... | 3 00 |
| Second best..... | C. N. Leete, Goleta..... | 1 50 |
| Best exhibit of carrots..... | J. C. Chamberlain, Goleta..... | 3 00 |
| Second best..... | A. H. Phillips, Goleta..... | 1 50 |
| Best exhibit of tomatoes..... | C. N. Leete, Goleta..... | 3 00 |
| Second best..... | D. M. Dimmick, Carpenteria..... | 1 50 |
| Best mangel-wurzel beets..... | H. Langman, Goleta..... | 3 00 |
| Second best..... | C. N. Leete, Goleta..... | 1 50 |
| Best exhibit of beans..... | W. S. Parks, Santa Barbara..... | 3 00 |
| Best exhibit of tobacco..... | R. Vialva, Carpenteria..... | 3 00 |
| Best exhibit of potatoes..... | J. G. Doty, Santa Barbara..... | 3 00 |
| Second best..... | M. A. Bliss, Santa Barbara..... | 1 50 |
| Best exhibit of sweet potatoes..... | C. N. Leete, Goleta..... | 3 00 |
| Best exhibit of wheat hay..... | I. K. Fisher, Santa Barbara..... | 2 00 |
| Second best..... | C. N. Leete, Goleta..... | 1 00 |
| Best exhibit of barley hay..... | Jno. Pickett, Santa Barbara..... | 2 00 |
| Second best..... | J. G. Doty, Santa Barbara..... | 1 00 |
| DAIRY PRODUCTS. | | |
| Best roll of butter..... | Mrs. W. P. Sprout, Santa Barbara..... | 3 00 |
| MISCELLANEOUS PRODUCTS. | | |
| Best olive oil..... | P. Meigs, Santa Barbara..... | 5 00 |
| Cucumbers..... | A. B. Stevens, Santa Barbara..... | 1 00 |
| Cucumbers..... | C. N. Leete, Goleta..... | 50 |
| Bean vine..... | Henry Fish, Carpenteria..... | 1 00 |
| Eggplant..... | C. N. Leete, Goleta..... | 1 00 |
| Sunflowers..... | C. N. Leete, Goleta..... | 1 00 |
| Summer squash..... | C. N. Leete, Goleta..... | 1 00 |
| CULINARY. | | |
| Best exhibit of cake..... | Miss Kitty Bailard, Carpenteria..... | 3 00 |
| Second best..... | Mrs. H. Whitney, Santa Barbara..... | 1 50 |
| Best nut cake..... | Mrs. H. Whitney, Santa Barbara..... | 1 00 |
| Second best..... | Mrs. A. Rystrom, Carpenteria..... | 50 |
| Best fruit cake..... | Mrs. H. P. Butler, Santa Barbara..... | 2 00 |
| Second best..... | Miss Kitty Bailard, Carpenteria..... | 1 00 |
| Best white cake..... | Mrs. E. Packard, Montecito..... | 1 00 |
| Second best..... | Mrs. A. Rystrom, Carpenteria..... | 50 |
| Best layer cake..... | Mrs. P. Bates, Santa Barbara..... | 1 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------------|--|--------|
| Second best layer cake..... | Mrs. A. Buell, Montecito..... | \$0 50 |
| Best cookies..... | Mrs. J. A. Rainey, Santa Barbara..... | 1 00 |
| Second best..... | Mrs. P. Bates, Santa Barbara..... | 50 |
| Best doughnuts..... | Mrs. P. Bates, Santa Barbara..... | 1 00 |
| Second best..... | Mrs. L. C. Camp, Santa Barbara..... | 50 |
| Best exhibit of pies..... | Mrs. L. C. Camp, Santa Barbara..... | 2 00 |
| Second best..... | Mrs. H. Whitney, Santa Barbara..... | 1 00 |
| Best double crust pie..... | Mrs. P. Bates, Santa Barbara..... | 1 00 |
| Second best..... | Mrs. L. C. Camp, Santa Barbara..... | 50 |
| Best single crust pie..... | Mrs. J. Shepherd, Carpenteria..... | 1 00 |
| Second best..... | Mrs. G. C. Packard, Montecito..... | 50 |
| Best tarts..... | Mrs. J. Shepherd, Carpenteria..... | 1 00 |
| Second best..... | Mrs. P. Bates, Santa Barbara..... | 50 |
| Best home-made bread..... | Mrs. H. Whitney, Santa Barbara..... | 2 00 |
| Second best..... | Mrs. A. Rystrom, Carpenteria..... | 1 00 |
| Best white bread..... | Mrs. J. A. Rainey, Santa Barbara..... | 1 00 |
| Second best..... | Mrs. H. Fish, Carpenteria..... | 50 |
| Best Boston brown bread..... | Mrs. H. Whitney, Santa Barbara..... | 1 00 |
| Second best..... | Mrs. A. Rystrom, Carpenteria..... | 50 |
| Best graham bread..... | Mrs. J. A. Rainey, Santa Barbara..... | 1 00 |
| Second best..... | Mrs. H. Fish, Carpenteria..... | 50 |
| Best light biscuit..... | Mrs. H. Fish, Carpenteria..... | 1 00 |
| Second best..... | Mrs. A. Rystrom, Carpenteria..... | 50 |
| Best soda biscuit..... | Mrs. H. Whitney, Santa Barbara..... | 1 00 |
| Best watermelon cake..... | Mrs. M. Arrelta, Santa Barbara..... | 1 00 |
| Best apricot jelly..... | Mrs. W. B. Squires, Santa Barbara..... | 1 00 |
| Best apple jelly..... | Miss Fanny Cravens, Carpenteria..... | 1 00 |
| Best crabapple jelly..... | Miss Fanny Cravens, Carpenteria..... | 1 00 |
| Best blackberry jelly..... | Mrs. E. Packard, Montecito..... | 1 00 |
| Best wild blackberry jelly..... | Mrs. J. E. Shepherd, Carpenteria..... | 1 00 |
| Best currant jelly..... | Mrs. F. J. Burbank, Santa Barbara..... | 1 00 |
| Best dewberry jelly..... | Miss E. Walker, Carpenteria..... | 1 00 |
| Best strawberry jelly..... | Mrs. H. Whitney, Santa Barbara..... | 1 00 |
| Best raspberry jelly..... | Miss E. Walker, Carpenteria..... | 1 00 |
| Best orange jelly..... | Mrs. J. E. Shepherd, Carpenteria..... | 1 00 |
| Best nectarine jelly..... | Mrs. J. E. Shepherd, Carpenteria..... | 1 00 |
| Best loquat jelly..... | Miss E. Walker, Carpenteria..... | 1 00 |
| Best peach jelly..... | Mrs. J. E. Shepherd, Carpenteria..... | 1 00 |
| Best grape jelly..... | Mrs. E. Packard, Montecito..... | 1 00 |
| Best guava jelly..... | Miss Fanny Cravens, Carpenteria..... | 1 00 |
| Best plum jelly..... | Mrs. D. M. Dimmick, Carpenteria..... | 1 00 |
| Best wild plum jelly..... | Mrs. D. M. Dimmick, Carpenteria..... | 1 00 |
| Best quince jelly..... | Miss Fanny Cravens, Carpenteria..... | 1 00 |
| Best manzanita jelly..... | F. W. Casebeer, Santa Barbara..... | 1 00 |
| Best cranberry jelly..... | Mrs. F. J. Burbank, Santa Barbara..... | 1 00 |
| Best exhibit of jams..... | Mrs. D. M. Dimmick, Carpenteria..... | 3 00 |
| Second best..... | Mrs. J. E. Shepherd, Carpenteria..... | 1 50 |
| Best crabapple jam..... | Mrs. L. C. Camp, Santa Barbara..... | 1 00 |
| Best pineapple jam..... | Mrs. L. C. Camp, Santa Barbara..... | 1 00 |
| Best raspberry jam..... | Mrs. W. B. Squires, Santa Barbara..... | 1 00 |
| Best strawberry jam..... | Mrs. W. B. Squires, Santa Barbara..... | 1 00 |
| Best blackberry jam..... | Mrs. L. C. Camp, Santa Barbara..... | 1 00 |
| Best wild blackberry jam..... | Mrs. H. Fish, Carpenteria..... | 1 00 |
| Best loquat jam..... | Mrs. H. Fish, Carpenteria..... | 1 00 |
| Best fig jam..... | Mrs. W. B. Squires, Santa Barbara..... | 1 00 |
| Best cherry jam..... | Mrs. H. Fish, Carpenteria..... | 1 00 |
| Best dewberry jam..... | Mrs. H. Fish, Carpenteria..... | 1 00 |
| Best peach jam..... | Mrs. L. C. Camp, Santa Barbara..... | 1 00 |
| Best pear jam..... | Mrs. L. C. Camp, Santa Barbara..... | 1 00 |
| Best apricot jam..... | Mrs. L. C. Camp, Santa Barbara..... | 1 00 |
| Best grape jam..... | Mrs. L. C. Camp, Santa Barbara..... | 1 00 |
| Best orange jam..... | Mrs. L. C. Camp, Santa Barbara..... | 1 00 |
| Best quince jam..... | Mrs. L. C. Camp, Santa Barbara..... | 1 00 |
| Best plum jam..... | Mrs. L. C. Camp, Santa Barbara..... | 1 00 |
| Best currant jam..... | Mrs. Julia Shepherd, Carpenteria..... | 1 00 |
| Best exhibit of canned fruit..... | Mrs. H. Whitney, Santa Barbara..... | 4 00 |
| Best canned plums..... | Mrs. M. A. Bliss, Santa Barbara..... | 1 00 |
| Best canned apricots..... | Mrs. H. Whitney, Santa Barbara..... | 1 00 |
| Best canned cranberries..... | Mrs. H. Whitney, Santa Barbara..... | 1 00 |
| Best canned gooseberries..... | Mrs. H. Whitney, Santa Barbara..... | 1 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------------------|--------|
| Best canned blackberries | Mrs. H. Whitney, Santa Barbara.. | \$1 00 |
| Best canned raspberries | Mrs. J. E. Shepherd, Carpenteria.. | 1 00 |
| Best canned strawberries | Mrs. J. E. Shepherd, Carpenteria.. | 1 00 |
| Best canned pieplant | Mrs. H. Whitney, Santa Barbara.. | 1 00 |
| Best canned loquats | Mrs. H. Whitney, Santa Barbara.. | 1 00 |
| Best canned currants | Mrs. H. Whitney, Santa Barbara.. | 1 00 |
| Best canned cherries | Mrs. J. E. Shepherd, Carpenteria.. | 1 00 |
| Best canned peaches | Mrs. H. Whitney, Santa Barbara.. | 1 00 |
| Best canned tomatoes | Mrs. H. Whitney, Santa Barbara.. | 1 00 |
| Best canned pears | Mrs. H. Whitney, Santa Barbara.. | 1 00 |
| Best canned nectarines | Mrs. H. Whitney, Santa Barbara.. | 1 00 |
| Best canned grapes | Mrs. H. Whitney, Santa Barbara.. | 1 00 |
| Best canned wild blackberries | Mrs. J. E. Shepherd, Carpenteria.. | 1 00 |
| Best exhibit of sweet pickles | Mrs. W. B. Squires, Santa Barbara.. | 2 00 |
| Second best | Mrs. E. Prior, Santa Barbara.. | 1 00 |
| Best preserved figs | Miss F. Cravens, Carpenteria.. | 1 00 |
| Best preserved oranges | Miss F. Cravens, Carpenteria.. | 1 00 |
| Best orange vinegar | J. S. Johnson, Montecito | 2 00 |
| Best fruit in alcohol | J. H. Cadogan, Santa Barbara.. | 2 00 |
| Best crystallized fruits | The Misses Hixon, Montecito | 3 00 |
| Best orange marmalade | Mrs. J. E. Shepherd, Carpenteria.. | 1 00 |
| LADIES' DEPARTMENT. | | |
| Best knitted rug | Mrs. E. Galbraith, Santa Barbara.. | 2 00 |
| Second best | Miss F. Burbank, Santa Barbara.. | 1 00 |
| Best braided rug | Mrs. H. Kitchen, Santa Barbara.. | 2 00 |
| Best rug of any kind | Mrs. J. Stockman, Santa Barbara.. | 2 00 |
| Best quilted bedspread | Mrs. S. A. Thayer, Santa Barbara.. | 2 00 |
| Second best | Mrs. F. Mavdole, Santa Barbara.. | 1 00 |
| Second best crochet bedspread | Mrs. M. J. Booth, Santa Barbara.. | 1 00 |
| Best knitted bedspread | Mrs. H. Wentling, Santa Barbara.. | 2 00 |
| Second best | Mrs. M. J. Booth, Santa Barbara.. | 1 00 |
| Best crazy quilt | Mrs. J. De la Guerra, Santa Barbara.. | 2 00 |
| Second best | Miss H. Lowe, Santa Barbara.. | 1 00 |
| Best afghan | Mrs. L. Dunklee, Santa Barbara.. | 2 00 |
| Second best | Miss F. Burbank, Santa Barbara.. | 1 00 |
| Best arrasene embroidery | Mrs. A. R. Watson, Goleta | 2 00 |
| Second best | Miss A. Gallaher, Santa Barbara.. | 1 00 |
| Best silk embroidery | Miss M. Cahoon, Santa Barbara.. | 2 00 |
| Second best | Miss N. Wright, Santa Barbara.. | 1 00 |
| Best outline work | Mrs. J. Stockman, Santa Barbara.. | 2 00 |
| Second best | Mrs. J. A. Rainey, Santa Barbara.. | 1 00 |
| Best tinsel work | Mrs. A. R. Watson, Goleta | 2 00 |
| Second best | Mrs. J. A. Rainey, Santa Barbara.. | 1 00 |
| Best applique embroidery | Mrs. W. Hardacre, Santa Barbara.. | 2 00 |
| Best embroidery on linen or cotton | Miss F. Cravens, Carpenteria.. | 2 00 |
| Second best | Mrs. L. Graham, Santa Barbara.. | 1 00 |
| Second best bead work | Mrs. E. D. Pierce, Santa Barbara.. | 1 00 |
| Best tatting | Miss F. Burbank, Santa Barbara.. | 2 00 |
| Second best | Mrs. J. Stockman, Santa Barbara.. | 1 00 |
| Best crochet lace | Mrs. W. Hardacre, Santa Barbara.. | 2 00 |
| Second best | Miss N. Wright, Santa Barbara.. | 1 00 |
| Best crochet shawl | Miss E. Walker, Carpenteria.. | 2 00 |
| Second best | Miss C. M. Baker, Santa Barbara.. | 1 00 |
| Best knitted garment | Mrs. E. J. Conrad, Santa Barbara.. | 2 00 |
| Second best | Miss C. M. Baker, Santa Barbara.. | 1 00 |
| Best edging on lace | Miss F. Burbank, Santa Barbara.. | 2 00 |
| Second best | Mrs. J. M. Forbes, Santa Barbara.. | 1 00 |
| Best Spanish drawn work | Mrs. J. De la Guerra, Santa Barbara.. | 3 00 |
| Second best | Miss N. Wright, Santa Barbara.. | 1 50 |
| Best antique lace | Miss F. J. Burbank, Santa Barbara.. | 2 00 |
| Second best | Mrs. J. Stockman, Santa Barbara.. | 1 00 |
| Best point lace | Miss N. Wright, Santa Barbara.. | 2 00 |
| Best shell flowers | Mrs. E. D. Pierce, Santa Barbara.. | 2 00 |
| Best paper flowers | Mrs. A. R. Watson, Goleta | 2 00 |
| Second best | Mrs. J. Stockman, Santa Barbara.. | 1 00 |
| Special for extra fine paper flowers | Mrs. M. Remigio, Santa Barbara.. | 3 00 |
| Second best wool flowers | Mrs. B. Gonzales, Santa Barbara.. | 1 00 |
| Best hair work | Mrs. B. Gonzales, Santa Barbara.. | 2 00 |
| Best sea moss on cards | Mrs. J. Stockman, Santa Barbara.. | 2 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------------|--------|
| Second best sea moss on cards | Mrs. E. D. Pierce, Santa Barbara | \$1 00 |
| Best sea moss design | Miss E. F. Rush, Montecito | 2 00 |
| Second best | Mrs. J. Stockman, Santa Barbara | 1 00 |
| Best plain hand sewing | Miss R. Everett, Santa Barbara | 3 00 |
| Second best | Mrs. E. D. Pierce, Santa Barbara | 1 50 |
| Best pair pillow shams | Mrs. J. A. Rainey, Santa Barbara | 2 50 |
| Second best | Mrs. M. J. Booth, Santa Barbara | 1 00 |
| Best fancy apron | Mrs. J. Stockman, Santa Barbara | 2 00 |
| Second best | Miss Cora Pond, Santa Barbara | 1 00 |
| Best sofa pillow | Miss N. Wright, Santa Barbara | 2 00 |
| Second best | Mrs. E. J. Conrad, Santa Barbara | 1 00 |
| Best pincushion | Mrs. M. J. Booth, Santa Barbara | 2 00 |
| Second best | Mrs. A. R. Watson, Goleta | 1 00 |
| Best reticule | Mrs. J. A. Rainey, Santa Barbara | 2 00 |
| Second best | Mrs. E. J. Conrad, Santa Barbara | 1 00 |
| Best purse | Mrs. E. Simpson, Santa Barbara | 2 00 |
| Second best | Mrs. J. A. Rainey, Santa Barbara | 1 00 |
| Best handkerchief | Mrs. I. Covarrubias, S. Barbara | 2 00 |
| Second best | Miss N. Wright, Santa Barbara | 1 00 |
| Best kensington painting | Mrs. J. Stockman, Santa Barbara | 2 00 |
| Second best | Mrs. A. R. Watson, Goleta | 1 00 |
| Best banner | Mrs. A. Gallaher, Santa Barbara | 2 00 |
| Second best | Mrs. A. R. Watson, Goleta | 1 00 |
| Best wall pocket | Mrs. J. Stockman, Santa Barbara | 2 00 |
| Second best | Mrs. E. J. Conrad, Santa Barbara | 1 00 |
| Best rope work | Miss Emma Watson, Goleta | 2 00 |
| Best gilding | Miss Emma Watson, Goleta | 1 00 |
| Best fascinator | Miss F. Burbank, Santa Barbara | 1 00 |
| Best fancy netting | Miss F. Burbank, Santa Barbara | 1 00 |
| Second best | Mrs. J. Stockman, Santa Barbara | 1 50 |
| Best salad doilies | Miss F. Burbank, Santa Barbara | 1 00 |
| Best braided palm hat | Miss F. Burbank, Santa Barbara | 2 00 |
| Second best | Mrs. H. M. Cooley, Santa Barbara | 1 00 |
| Best splasher | Mrs. M. J. Booth, Santa Barbara | 1 00 |
| Second best | Miss M. Lynch, Summerland | 50 |
| Best darned net | Miss M. A. Smith, Santa Barbara | 1 00 |
| Second best | Miss E. Rystrom, Carpenteria | 50 |
| Best tablespread | Mrs. R. A. Watson, Goleta | 2 00 |
| Second best | Mrs. E. Prior, Santa Barbara | 1 00 |
| Sachet bag | Mrs. M. Lowe, Santa Barbara | 1 00 |
| Chair cushion | Mrs. E. J. Conrad, Santa Barbara | 1 00 |
| Sideboard cover | Mrs. W. Hardacre, Santa Barbara | 1 00 |
| Shell work | Mrs. E. D. Pierce, Santa Barbara | 1 00 |
| Hand-painted drape | Mrs. J. Stockman, Santa Barbara | 1 00 |
| Macrame lace | Mrs. E. Simpson, Santa Barbara | 1 00 |
| Seed work | Miss E. Watson, Goleta | 1 00 |
| CHILDREN'S DEPARTMENT. | | |
| Best painting in oil | Ethel Wheaton, Santa Barbara | 3 00 |
| Second best | Maggie Strathern, Santa Barbara | 1 50 |
| Best painted plaque | Ethel Wheaton, Santa Barbara | 2 00 |
| Best drawing, landscape | Della M. Smith, Montecito | 2 00 |
| Best drawing, figure | Muriel Wheaton, Santa Barbara | 2 00 |
| Second best | Belle Den, Santa Barbara | 1 00 |
| Best kensington outline work | Grace Carden, Carpenteria | 2 00 |
| Second best | Mabel Forbes, Santa Barbara | 1 00 |
| Best sofa cushion | Devena Henick, Santa Barbara | 2 00 |
| Best handkerchief case | Leva Rystrom, Carpenteria | 2 00 |
| Best Spanish drawn work | Belle Den, Santa Barbara | 2 00 |
| Second best | Mamie Den, Santa Barbara | 1 00 |
| Second best cotton dress, machine-made | Myrtle Bailard, Carpenteria | 1 50 |
| Best crochet work | Mamie Den, Santa Barbara | 2 00 |
| Second best | Hortense Levy, Santa Barbara | 1 00 |
| Best duster bag | Ella Cravens, Carpenteria | 1 00 |
| Best dressed doll | Leva Rystrom, Carpenteria | 1 00 |
| Kite | A. Smith, Santa Barbara | 2 00 |
| Kite | Albert Aubrey, Santa Barbara | 2 00 |
| Best collection of shells | A. Covarrubias, Santa Barbara | 2 00 |
| Best loaf of bread | Hester Fish, Carpenteria | 2 00 |
| Second best | Mamie Wylie, Santa Barbara | 1 00 |

Sp.

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|--|-----------|
| Best loaf of cake | Pierre Crooks, Montecito | \$2 00 |
| Best cotton dress, machine-made | Belle Den, Santa Barbara | 3 00 |
| Second best collection of shells | Maggie Strathern, Santa Barbara | 1 00 |
| Second best loaf of cake | Leva Rystrom, Carpenteria | 1 00 |
| Best display of jellies | Myrtle Bailard, Carpenteria | 3 00 |
| Second best | Fanny Fish, Carpenteria | 1 50 |
| Best article not mentioned in premium list | Belle Den, Santa Barbara | 2 00 |
| Second best | A. Covarrubias, Santa Barbara | 1 00 |
| Gold fish | O. J. Chamberlain, Goleta | Sp. 2 00 |
| Braided palm-leaf hat | Devena Henick, Santa Barbara | Sp. 2 00 |
| Crochet work | Devena Henick, Santa Barbara | Sp. 1 00 |
| Pillow shams | Devena Henick, Santa Barbara | Sp. 1 00 |
| Best skirt | Millie Cooley, Santa Barbara | Sp. 1 00 |
| Second best | Hortense Levy, Santa Barbara | Sp. 50 |
| PUBLIC SCHOOL CHILDREN'S DEPARTMENT. | | |
| Neatness of work, including penmanship | J. Russel Parks, Montecito | 5 00 |
| Second best | S. A. Winchester, Santa Barbara | 2 00 |
| Best drawing | S. A. Winchester, Santa Barbara | 5 00 |
| Second best | S. A. Winchester, Santa Barbara | 2 00 |
| Botany, drawings and collection | Gertrude Deihl, Santa Barbara | 5 00 |
| Second best | George Bond, Santa Barbara | 2 00 |
| Zoölogy, drawings and collection | Eda Rainey, Santa Barbara | 5 00 |
| Best primary work, third and fourth years | Myra Morgan, Montecito | 5 00 |
| Second best | Myra Morgan, Montecito | 2 00 |
| Best primary work, fifth and sixth years | S. A. Winchester, Santa Barbara | 5 00 |
| Second best | S. A. Winchester, Santa Barbara | 2 00 |
| Best primary work, seventh and eighth years | S. A. Winchester, Santa Barbara | 5 00 |
| Second best | S. A. Winchester, Santa Barbara | 2 00 |
| FINE ARTS—AMATEURS. | | |
| Best landscape in oil | Mrs. J. A. Rainey, Santa Barbara | 2 50 |
| Best marine view in oil | Mrs. J. Stockman, Santa Barbara | 2 50 |
| Best animals in oil | Mrs. J. Stockman, Santa Barbara | 2 50 |
| Best fruit in oil | Mrs. J. A. Rainey, Santa Barbara | 2 50 |
| Best flowers in oil | Mrs. J. A. Rainey, Santa Barbara | 2 50 |
| Best pencil drawing | Miss A. Severns, Santa Barbara | 2 50 |
| Best painting on velvet | Miss A. Strathern, Santa Barbara | 2 50 |
| Best painting on silk | Miss A. Strathern, Santa Barbara | 2 50 |
| Best specimen of penmanship | J. Russel Parks, Montecito | 2 50 |
| Animals in sepia | Mrs. J. Stockman, Santa Barbara | 2 50 |
| MANUFACTURES. | | |
| Articles made of California wood | J. W. Casebeer, Santa Barbara | 5 00 |
| Decorative work | J. W. Casebeer, Santa Barbara | 5 00 |
| Scroll sawing | J. W. Casebeer, Santa Barbara | 2 00 |
| Blacksmith work | J. J. Doherty, Santa Barbara | 2 00 |
| Bean planter | G. B. Hopper, Santa Maria | Sil. med. |
| Road cart | J. J. Doherty, Santa Barbara | Sil. med. |
| Stone cutting | Santa Barbara Stone Cutting Co. | Sil. med. |
| Taxidermist display | Kinton Stevens, Santa Barbara | Sil. med. |
| Mantel | A. Haegen, Santa Barbara | Diploma. |
| Musical instruments | J. W. Casebeer, Santa Barbara | Sil. med. |
| BABY SHOW. | | |
| Prettiest baby over six months old | Mrs. C. N. Leete, Goleta | Sil. cup. |
| Next prettiest | Mrs. C. F. Rystrom, Carpenteria | Sil. cup. |
| Prettiest baby under six months old | Mrs. Sutton, Carpenteria | Sil. cup. |
| Next prettiest | Mrs. W. J. Murphy, Santa Barbara | Sil. cup. |
| MERCHANDISE. | | |
| Agricultural implements | Booth & Packard, Santa Barbara | Diploma. |
| Electrical machines | C. R. Jordan, Santa Barbara | Diploma. |
| Bicycles | Booth & Packard, Santa Barbara | Diploma. |
| PLANTS AND FLOWERS. | | |
| Best display of plants | Charles F. Eaton, Santa Barbara | \$5 00 |
| Second best | Mrs. E. D. Pierce, Santa Barbara | 2 00 |
| Display of palms | Charles F. Eaton, Santa Barbara | 5 00 |
| Display of palms | Kinton Stevens, Santa Barbara | 5 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|----------------------------------|-------------------------------------|---------|
| FRUIT. | | |
| Best display by one person | D. M. Dimmick, Carpenteria | \$15 00 |
| Best apples | James Shepherd, Carpenteria | 5 00 |
| Second best | Mary A. Bliss, Santa Barbara | 2 00 |
| Best pears | Mary A. Bliss, Santa Barbara | 5 00 |
| Second best | N. M. Packard, Santa Barbara | 2 00 |
| Best peaches | D. M. Dimmick, Carpenteria | 3 00 |
| Second best | N. M. Packard, Santa Barbara | 1 50 |
| Best plums | D. M. Dimmick, Carpenteria | 3 00 |
| Second best | Mary A. Bliss, Santa Barbara | 1 50 |
| Best dried pears | D. M. Dimmick, Carpenteria | 3 00 |
| Best grapes | C. N. Leete, Goleta | 3 00 |
| Second best | J. C. Chamberlain, Goleta | 1 50 |
| Best strawberries | James Shepherd, Carpenteria | 2 00 |
| Best raspberries | James Shepherd, Carpenteria | 2 00 |
| Best blackberries | C. N. Leete, Goleta | 2 00 |
| Second best | James Shepherd, Carpenteria | 1 00 |
| Best oranges | James Shepherd, Carpenteria | 3 00 |
| Second best | R. Vialva, Carpenteria | 1 50 |
| Best lemons | N. M. Packard, Santa Barbara | 3 00 |
| Second best | N. M. Packard, Santa Barbara | 1 50 |
| Best figs | E. D. Pierce, Santa Barbara | 2 00 |
| Best bananas | H. Fish, Carpenteria | 2 00 |
| Best dried apples | D. M. Dimmick, Carpenteria | 3 00 |
| Best dried peaches | D. M. Dimmick, Carpenteria | 3 00 |
| Second best | D. M. Dimmick, Carpenteria | 1 00 |
| Best dried nectarines | D. M. Dimmick, Carpenteria | 3 00 |
| Second best | J. C. Chamberlain, Goleta | 1 00 |
| Best dried apricots | D. M. Dimmick, Carpenteria | 3 00 |
| Second best | P. C. Nance, Santa Maria | 1 00 |
| Dried apricots | F. K. Scofield, Santa Barbara | 1 00 |
| Second best dried pears | D. M. Dimmick, Carpenteria | 1 00 |
| Best dried blackberries | D. M. Dimmick, Carpenteria | 1 00 |
| Dried fruit | W. M. Roberts, Goleta | 1 00 |
| Dried citron | I. B. Pierce, Santa Barbara | 1 00 |

SPEED PROGRAMME.

TUESDAY, AUGUST 18, 1891.

RACE No. 1—RUNNING.

Free for all. Purse, \$200. Three quarters of a mile and repeat.

| | |
|--|-----|
| M. A. Forster's s. g. Naicho B, by Wanderer; dam, Flower Girl..... | 1 |
| J. G. Hill's b. s. Sid, by Sidarthur; dam, Vestilla | 2 |
| F. Menchaca's ch. s. El Rayo, by Grinstead; dam, Sunlit..... | 3 |
| M. S. Bryan's b. m. Artemesia, by Robbery Boy; dam, Belle..... | dr. |
| <i>Time</i> —1:16½; 1:18½; 1:19; 1:20¼. | |

RACE No. 2—TROTTING.

For yearling colts sired by stallions contributing to this purse. Purse, \$380. Half mile and repeat.

| | |
|---|---|
| H. W. Fabing's b. f. Fleur de Lis, by Bashaw; dam, Nellie..... | 1 |
| Z. T. Rucker's s. f. Annie Darling, by Bashaw; dam, Kitty Pease | 2 |
| I. K. Fisher's b. c. Mesa Boy, by Don Patricio; dam, Bridget..... | 3 |
| J. Johnson's b. f. Lottie J, by Cashmere; dam, Flora | 4 |
| C. W. Short's s. f. Gracie, by Bashaw; dam, Two Dollars | 5 |
| <i>Time</i> —2:00; 1:57½. | |

RACE No. 3—TROTTING.

Purse, \$200. Mile heats, best three in five.

| | |
|---|---|
| James Mack's s. g. J B, by William Corbett; dam, Bridget | 1 |
| E. B. Hill's s. g. Peter Low, by Bashaw; dam, unknown | 2 |
| C. O. Thornquest's b. m. Daisy N, by Mount Vernon; dam, Maggie..... | 3 |
| J. C. Wilson's blk. g. Black Diamond, by Altona; dam, unknown | 4 |
| <i>Time</i> —2:37½; 2:34; 2:34. | |

WEDNESDAY, AUGUST 19, 1891.

RACE No. 4—TROTTING.

For two-year olds. Purse, \$150. Mile heats, best two in three.

| | |
|--|---|
| J. G. Hill's br. s. Ed G, by A. W. Richmond; dam, unknown..... | 1 |
| C. O. Thornquest's ch. s. Excelsior, by Bashaw; dam, Beck | 2 |
| W. S. Maben's b. s. Harry Stamboul, by Stamboul; dam, Carrie B | 3 |
| <i>Time</i> —2:50; 2:58. | |

RACE No. 5—TROTTING.

For stallions owned in San Luis Obispo, Santa Barbara, and Ventura Counties. Purse, \$300. Mile heats, best three in five.

| | |
|--|---|
| H. Delaney's gr. s. Rosewald, by A. W. Richmond; dam, by Creighton..... | 1 |
| J. E. McCoy's b. s. Ben Corbett, by Wm. Corbett; dam, Jessie M..... | 2 |
| I. K. Fisher's gr. s. Don Patricio, by A. W. Richmond; dam, Bridget..... | 3 |
| <i>Time</i> —2:34; 2:31; 2:30; 2:30; 2:33. | |

RACE No. 6—RUNNING.

For two-year olds. Purse, \$110. Five eighths of a mile.

| | |
|--|---|
| M. Romero's b. s. Rey del Montecito, by Wildidler; dam, Montecito Queen..... | 1 |
| T. Ward's b. s. Santa Fe, by King David; dam, Alla Hill..... | 2 |
| M. S. Bryan's b. f. Cora P, by Sacramento; dam, Margery..... | 3 |

Time—1:07.

THURSDAY, AUGUST 20, 1891.

RACE No. 7—RUNNING.

Free for all. Purse, \$150. Half mile and repeat.

| | |
|--|-----|
| M. A. Forster's b. g. Gambo, by Wildidler; dam, Dottie Dimple..... | 1 |
| F. Menchaca's b. g. Sid Law, by Robbery Boy; dam, Lillian..... | 2 |
| J. G. Hill's g. g. Ben H, by Shiloh; dam, Mollie..... | 3 |
| M. S. Bryan's b. m. Artemesia, by Robbery Boy; dam, Belle..... | 4 |
| C. W. Short's r. g. Rucker, by Gray Eagle; dam, unknown..... | dr. |

Time—0:49; 0:49½; 0:51.

RACE No. 8—PACING.

Purse, \$180. Mile heats, best three in five.

| | |
|--|---|
| P. J. Doyle's blk. s. Keno R, by Magic; dam, by Nutwood..... | 1 |
| N. A. Covarrubias' g. m. Hattie F, by Le Grande; dam, by Silvertree..... | 2 |
| C. O. Thornquest's b. g., Dorma, by Young Pacific; dam, unknown..... | 3 |

Time—2:33¼; 2:35¼; 2:34¾.

RACE No. 9—TROTTING.

2:40 Class. For horses owned in San Luis Obispo, Santa Barbara, and Ventura Counties. Purse, \$250. Mile heats, best three in five.

| | |
|--|-----|
| N. A. Covarrubias' s. g. Tono, by Salisbury; dam, by Hambletonian..... | 1 |
| E. W. Steele's br. m. Estella C, by Director; dam, by Speculation..... | 2 |
| A. W. Buell's br. m. Flora, by Dan Rice; dam, unknown..... | 3 |
| C. O. Thornquest's b. m. Daisy N, by Mount Vernon; dam, Maggie..... | dr. |
| James Begg's s. g. J B, by William Corbett; dam, Bridget..... | dr. |
| E. B. Hill's s. g. Peter Low, by Bashaw; dam, unknown..... | dr. |

Time—2:31¼; 2:31; 2:30¾.

FRIDAY, AUGUST 21, 1891.

RACE No. 10—RUNNING.

Novelty race. Free for all. Purses of \$25 for each of the first four quarters; \$50 for last quarter. One mile and a quarter.

| | |
|--|---|
| F. Menchaca's ch. s. El Rayo, by Grinstead; dam, Sunlit..... | 1 |
| M. A. Forster's b. g. Gambo, by Wildidler; dam, Dottie Dimple..... | 2 |
| J. G. Hill's b. s. Sid, by Sidarthur; dam, Vestilla..... | 3 |
| F. Menchaca's b. g. Sid Law, by Robbery Boy; dam, Lillian..... | 0 |
| J. G. Hill's b. g. Bogam, by Wildidler; dam, Dottie Dimple..... | 0 |
| C. W. Short's r. g. Rucker, by Gray Eagle; dam, unknown..... | 0 |

Time—2:13.

Gambo was first at first and second quarters; El Rayo at third, fourth, and fifth quarters.

RACE No. 11—RUNNING.

Free for all. Purse, \$250. One mile and repeat.

| | |
|---|---|
| M. S. Bryan's ch. s. Moses B, by Leinster; dam, Aunt Jane | 1 |
| M. A. Forster's s. g. Naicho B, by Wanderer; dam, Flower Girl | 2 |
| <i>Time</i> —1:44; 1:45. | |

RACE No. 12—TROTTING.

2:30 Class. Open to horses owned in San Luis Obispo, Santa Barbara, and Ventura Counties. Purse, \$300. Mile heats, best three in five.

| | |
|---|-----|
| H. Delaney's g. g. Leon, by A. W. Richmond; dam, Nellie | 1 |
| James Mack's s. g. Cyclone, by Whipple's Hambletonian; dam, unknown | 2 |
| E. B. Hill's b. m. Miss Monroe, by Monroe Chief; dam, by A. W. Richmond | 3 |
| N. A. Covarrubias' blk. g. Nigger Baby, by Allo; dam, by Patchen | dr. |
| A. J. Gillett's g. g. Roscoe Conklin, by A. W. Richmond; dam, unknown | dr. |
| <i>Time</i> —2:26½; 2:27; 2:27½; 2:30½; 2:33½. | |

RACE No. 13—RUNNING.

Owners to ride. Purse, \$50. Half mile.

| | |
|--------------------------------------|---|
| M. O. Farren's b. g. Bill | 1 |
| H. N. Duffee's b. g. Joe Dandy | 2 |
| H. Snyder's d. g. Buck | 3 |
| <i>Time</i> —0:56. | |

TRANSACTIONS
OF THE
TWENTIETH DISTRICT AGRICULTURAL ASSOCIATION
For the Year 1891,
Composed of the County of Placer.

OFFICERS OF THE ASSOCIATION.

| | |
|--------------------|------------|
| JO HAMILTON..... | President. |
| F. D. ADAMS..... | Secretary. |
| T. J. NICHOLS..... | Treasurer. |

DIRECTORS.

| | |
|---------------------|--------------|
| J. C. BOGGS..... | Newcastle. |
| W. M. BAKER..... | Colfax. |
| JO HAMILTON | Auburn. |
| W. B. LARDNER | Auburn. |
| W. D. PERKINS | Rocklin. |
| H. T. POWER | Forest Hill. |
| E. J. SPARKS | Lincoln. |
| G. W. TOWLE..... | Towles. |

REPORT.

AUBURN, December 1, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Twentieth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

F. D. ADAMS,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|--|----------|-------------------|
| Balance on hand | \$190 25 | |
| Sale of admission tickets at Park | 149 25 | |
| Sale of admission tickets at Pavilion | 300 00 | |
| Sale of exhibitors' cards at Park | 45 00 | |
| Sale of exhibitors' cards at Pavilion | 192 00 | |
| Sale of 'bus drivers' badges | 39 00 | |
| Sale of privileges at Pavilion | 55 00 | |
| Donation by Mrs. I. M. and H. T. Power | 15 00 | |
| State appropriation | 2,260 00 | |
| | | <u>\$3,295 50</u> |

Expenditures.

| | | |
|--|----------|-------------------|
| By expenditures in behalf of Pavilion: | | |
| Ticket sellers and gatekeepers | \$82 50 | |
| Rent | 100 00 | |
| Music | 125 00 | |
| Labor | 188 40 | |
| Salary of Superintendent and assistant | 90 00 | |
| Entry Clerk and assistants | 79 50 | |
| Lumber | 8 99 | |
| Ice | 8 15 | |
| Electric Lighting Co. | 41 00 | |
| Merchandise | 121 80 | |
| Sundries | 23 15 | |
| By expenditures in behalf of Park: | | |
| Labor | 162 12 | |
| Salary and expenses of Superintendent | 82 00 | |
| Lumber | 152 22 | |
| Sprinkling | 65 00 | |
| Merchandise | 21 18 | |
| Straw | 29 00 | |
| Hay | 120 49 | |
| Ice | 11 15 | |
| Entry Clerk | 24 00 | |
| Marshal | 17 50 | |
| By other expenses incidental to fair: | | |
| Printing and advertising | 310 10 | |
| 'Bus hire | 14 95 | |
| 'Bus tickets | 26 00 | |
| Salary of Secretary | 150 00 | |
| Premiums paid | 1,227 20 | |
| | | <u>\$3,295 50</u> |

OUTSTANDING INDEBTEDNESS.

| | | |
|---|----------|-----------------|
| Note of Directors to Placer County Bank | \$500 00 | |
| Warrants and bills unpaid | 436 13 | |
| | | <u>\$936 13</u> |

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|--|---------|
| CLASS I—THOROUGHBREDS—STALLIONS. | | |
| Barrington, Jr., one year old..... | George Perkins, Newcastle..... | \$10 00 |
| CLASS II—STANDARD TROTTERS—STALLIONS. | | |
| Lincoln, three years old and over..... | Adam Herold, Lincoln..... | 20 00 |
| Actor, three years old and over..... | Valley View Farm, Valley View..... | 10 00 |
| General, two years old..... | H. K. Warren, Applegate..... | 15 00 |
| MARES. | | |
| Daisy, three years old and over..... | E. J. Sparks, Lincoln..... | 20 00 |
| Fanny, three years old and over..... | Mrs. W. Barter, Penryn..... | 10 00 |
| Lady Anna, one year old..... | Mrs. W. Barter, Penryn..... | 10 00 |
| —, under one year..... | Valley View Farm, Valley View..... | 5 00 |
| CLASS III—HORSES OF ALL WORK—STALLIONS. | | |
| Prince, three years old and over..... | C. Sexton, Auburn..... | 10 00 |
| GELDINGS. | | |
| Doc, three years old and over..... | A. B. McRae, Roseville..... | 10 00 |
| Babe, three years old and over..... | W. McIntosh, Roseville..... | 7 50 |
| CLASS IV—ROADSTERS—STALLIONS. | | |
| —, two years old..... | J. S. Shepherd, Auburn..... | 10 00 |
| Prince, one year old..... | J. Mollett, Clipper Gap..... | 5 00 |
| Dandy, one year old..... | E. B. Beecher, Auburn..... | 5 00 |
| Usher, under one year..... | Valley View Farm, Valley View..... | 5 00 |
| MARES. | | |
| Sweet, three years old and over..... | Mrs. Dickinson, Roseville..... | 15 00 |
| —, three years old and over..... | Valley View Farm, Valley View..... | 10 00 |
| Annie S, one year old..... | Valley View Farm, Valley View..... | 10 00 |
| Mayflower, one year old..... | B. Burr, Applegate..... | 5 00 |
| Flora, under one year..... | E. J. Sparks, Lincoln..... | 5 00 |
| CLASS V—DRAFT HORSES—STALLIONS. | | |
| Royalty, four years old and over..... | W. Hashagan, Auburn..... | 15 00 |
| Comet, four years old and over..... | Placer County Breeding Association, Clipper Gap..... | 10 00 |
| Coalyer, three years old..... | A. B. McRae, Roseville..... | 10 00 |
| Cooley, two years old..... | E. J. Sparks, Lincoln..... | 7 50 |
| GELDINGS. | | |
| Jim, four years old and over..... | E. J. Sparks, Lincoln..... | 15 00 |
| —, four years old and over..... | A. B. McRae, Roseville..... | 10 00 |
| CLASS VI—DRAFT MARES. | | |
| Mabel, four years old and over..... | E. J. Sparks, Lincoln..... | 15 00 |
| Kate, four years old and over..... | W. Hashagan, Auburn..... | 10 00 |
| Rosa, three years old..... | E. J. Sparks, Lincoln..... | 10 00 |
| Rene, two years old..... | E. E. Gates, Auburn..... | 7 50 |
| CLASS VII—SADDLE AND BUGGY HORSES. | | |
| Single buggy horse..... | W. H. Houchin, Auburn..... | 7 50 |
| Saddle horse..... | C. E. Corbin, Auburn..... | 5 00 |
| CLASS VIII—SWEEPSTAKES. | | |
| Duke Cameo, best stallion (protested).... | Adam Herold, Lincoln..... | 10 00 |
| Dolly, best mare..... | A. B. McRae, Roseville..... | 10 00 |
| Abbott, best gelding..... | George May, Auburn..... | 10 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------------|---------|
| CLASS IX--MULES. | | |
| Best span of mules..... | F. Closs, Auburn..... | \$10 00 |
| CATTLE--THOROUGHBREDS--CLASS I--JERSEYS--BULLS. | | |
| William Oliver, three years old and over..... | Mrs. E. Roberson, Auburn..... | 10 00 |
| COWS. | | |
| Daisy, three years old and over..... | Valley View Farm, Valley View .. | 7 50 |
| Phyllis of Idaho, three years old | Mrs. E. Roberson, Auburn..... | 5 00 |
| Flossie, two years old..... | Valley View Farm, Valley View .. | 6 00 |
| HEREFORDS--BULLS. | | |
| McGinty, two years old..... | James McCarty, Rock Creek | 7 50 |
| CLASS II--DURHAMS--BULLS. | | |
| Josephus, three years old and over..... | George Perkins, Newcastle..... | 10 00 |
| CLASS IV--HOLSTEINS--BULLS. | | |
| Lord Druid, two years old..... | Valley View Farm, Valley View .. | 7 50 |
| Netherland Chief, one year old | Valley View Farm, Valley View .. | 3 00 |
| COWS. | | |
| —, three years old | Valley View Farm, Valley View .. | 7 50 |
| —, two years old | Valley View Farm, Valley View .. | 6 00 |
| MILCH COWS. | | |
| Bettie, best milch cow..... | A. N. Hoffman, Auburn | 20 00 |
| Idaho Maid, second best..... | Valley View Farm, Valley View .. | 10 00 |
| SWEEPSTAKES. | | |
| Lord Druid, best Holstein bull and family..... | Valley View Farm, Valley View .. | 10 00 |
| Maid, best graded cow three years old..... | J. B. Meredith, Auburn | 7 50 |
| Julia, best graded cow one year old | James Collins, Auburn | 6 00 |
| Favorite, best calf..... | Valley View Farm, Valley View .. | 3 00 |
| Bess, best graded Durham cow | L. E. Tebbs, Auburn | 7 50 |
| SWINE--CLASS I--BERKSHIRE--BOARS. | | |
| Pygmalion, two years old | Valley View Farm, Valley View .. | 10 00 |
| Prince, two years old..... | E. H. Honn, Clipper Gap | 5 00 |
| SOWS. | | |
| Galatea, two years old..... | Valley View Farm, Valley View .. | 10 00 |
| Black Maria, two years old..... | Valley View Farm, Valley View .. | 5 00 |
| POLAND-CHINA. | | |
| King, best boar..... | C. A. Predom, Auburn..... | 10 00 |
| FAMILIES. | | |
| Sow and four pigs | Valley View Farm, Valley View .. | 3 00 |
| Breeding sow | R. T. Sutton, Auburn | 5 00 |
| Breeding sow and four pigs | C. A. Predom, Auburn..... | 3 00 |
| POULTRY. | | |
| Best pair Langshans | Ember Sutton, Auburn | 3 00 |
| Best pair Leghorns | May Robinson, Auburn | 3 00 |
| Best pair Hamburgs..... | B. F. Chastine, Auburn | 3 00 |
| Best pair Polands | H. A. Nesenhoener, Auburn .. | 3 00 |
| Best pair Bantams | Oscar Houchin, Auburn | 3 00 |
| Best pair Cochins | Ember Sutton, Auburn | 3 00 |
| Best pair Games | James Breslin, Auburn | 3 00 |
| Best pair Bronze turkeys | B. F. Chastine, Auburn | 3 00 |
| Best pair ducks..... | E. H. Honn, Clipper Gap | 3 00 |
| Best pair geese | George Perkins, Newcastle | 3 00 |
| Best display | Willie Ayers, Auburn | 3 00 |
| Pigeons..... | May Robinson, Auburn..... | 3 00 |
| MISCELLANEOUS. | | |
| Equestrianism by lady | Gertie Stone, Auburn | 7 50 |
| Equestrianism by lady | May Robinson, Auburn..... | 5 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------|--------|
| Exhibition of pulling by a span of horses | Louis Armbruster, Auburn | \$5 00 |
| Fast walking team | Hoffman Bros., Auburn | 10 00 |
| Fast walking team | C. A. Johnson, Auburn | 5 00 |
| Exhibition of harnessing a team | James Falkner, Auburn | 4 00 |
| Exhibition of harnessing a team | Al. Crosby, Auburn | 5 00 |
| Exhibition of harnessing a single horse | Katie Dutken, Auburn | 8 00 |
| Exhibition of harnessing a single horse | Gracie Lowell, Auburn | 5 00 |
| Equestrianism by a girl | Lizzie Haeny, Ophir | 5 00 |
| Equestrianism by a girl | May Meredith, Auburn | 3 00 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|----------------------------------|-------------------------------|---------|
| CLASS I—MACHINERY. | | |
| Hydraulic motor | Ed. Futhey, Auburn | \$10 00 |
| CLASS III—AGRICULTURAL MACHINES. | | |
| Bee hive | E. B. Beecher, Auburn | 2 50 |
| Gopher trap | R. W. Armbruster, Clipper Gap | 1 00 |
| CLASS V—WAGONS AND BUGGIES. | | |
| Best two-horse wagon | J. G. Bisbee, Auburn | 8 00 |
| Best two-horse carriage | John Haeny, Lincoln | 8 00 |
| Best two-horse buggy | John Haeny, Lincoln | 8 00 |
| Best one-horse buggy | John Haeny, Lincoln | 8 00 |

THIRD DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-------------------------|------------------------------|--------|
| CLASS IV—CABINET WARES. | | |
| Spring bed | Coker & Crawell, Auburn | \$5 00 |
| CLASS V—WOODWORK. | | |
| Carpenter work | W. H. Mitchell, Auburn | 5 00 |
| Sash, doors, and blinds | Towle Bros. & Co., Towles | 10 00 |
| Wood pulp | Towle Bros. & Co., Towles | 5 00 |
| Brooms | Geo. Dudley, Roseville | 5 00 |
| Lumber | Towle Bros. & Co., Towles | 10 00 |
| Berry baskets | S. F. Woodworth, Clipper Gap | 5 00 |
| CLASS VI—MISCELLANEOUS. | | |
| Brick | G. F. Halsey, Auburn | 5 00 |
| Carved wood | Seward Smith, Colfax | 5 00 |

FOURTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-------------------------|--------|
| CLASS I—TEXTILE FABRICS AND MATERIALS. | | |
| Silk embroidery | Millie Short, Auburn | \$2 50 |
| Cotton embroidery | V. M. Chusmore, Auburn | 2 00 |
| Arrasene work | Millie McGuire, Auburn | 2 50 |
| Outline embroidery | Amelia Corea, Newcastle | 1 50 |
| Embroidered table scarf | Katie Hogan, Penryn | 2 50 |
| Embroidered banner | Mrs. Barter, Penryn | 2 50 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|--|--------|
| Lace work | Mrs. C. Callen, Auburn | \$2 00 |
| Ribbon work | Miss Kavanaugh, Michigan Bluff | 2 00 |
| Crazy quilt | Mrs. W. McIntosh, Roseville | 3 00 |
| Ornamental panel | Mrs. J. H. Robie, Auburn | 2 50 |
| Toilet set | Miss A. C. Keeler, Auburn | 2 50 |
| Luster painting on plush | Katie Hogan, Penryn | 2 50 |
| Paper flowers | Grace Lowell, Auburn | 2 50 |
| Crochet skirt | Mrs. M. Ramsdell, Michigan Bluff | 2 00 |
| Sofa cushion | Mrs. W. McGuire, Auburn | 1 50 |
| Handkerchief box | Effie Hayford, Colfax | 1 00 |
| Tidy | Cora Wilkinson, Auburn | 1 00 |
| Lamp mat | Amelia Corea, Newcastle | 1 00 |
| Pincushion | Mrs. H. F. Albee, Penryn | 1 00 |
| Glove box | Effie Hayford, Colfax | 1 00 |
| Bead work | Lizzie Logan, Penryn | 1 50 |
| Hair work | Mrs. K. M. Futhy, Auburn | 1 00 |
| Ladies' underwear | Miss A. Fogarty, Auburn | 3 00 |
| Infants' clothing | Mrs. Ketchen, Alta | 3 00 |
| Hearth rug | Miss Lena Weber, Auburn | 1 50 |
| Door mat | Mrs. McCullough, Auburn | 1 50 |
| Crochet shawl | Mrs. Nellie Agard, Auburn | 2 50 |
| Bedsread | Mrs. L. A. Hough, Michigan Bluff | 2 00 |
| Patchwork quilt | Mrs. Wills, Michigan Bluff | 2 50 |
| Knit undervests | Mrs. N. A. Agard, Auburn | 1 00 |
| Silk stockings | Mrs. N. A. Agard, Auburn | 1 00 |
| Knit cotton stockings | Miss L. Sellier, Auburn | 1 00 |
| Knit wool stockings | Mrs. Sutton, Auburn | 1 00 |
| Mexican work | Mrs. N. H. Karchner, Sheridan | 2 50 |
| Largest display of fancy work by one lady | Miss H. Buhning, Auburn | 5 00 |
| CLASS II. | | |
| Best display of millinery | Miss Pierce, Auburn | 5 00 |
| Best calico dress by a miss under fourteen years of age | May Halley, Auburn | 5 00 |
| Second best | Mabel Lardner, Auburn | 2 00 |
| CLASS III—JUVENILE. | | |
| Cotton embroidery | Mabel Boardman, Auburn | 1 50 |
| Crochet work | Stella Adams, Auburn | 1 00 |
| Cigars and tobacco | H. A. Nessenhoener, Auburn | 10 00 |
| California leaf tobacco | H. A. Nessenhoener, Auburn | 5 00 |
| Granite work | G. Schwalmberg, Penryn | 10 00 |
| Granite work | D. Griffith, Penryn | 7 50 |
| Manufacture of hosiery | W. Lymon, Auburn | 1 50 |
| MISCELLANEOUS—BY ORDER OF DIRECTORS. | | |
| Painted china | Blanche Kirk, Auburn | 1 50 |
| Rag carpet | Mrs. Lymon, Auburn | 1 50 |
| Doll dressed by a miss thirteen years old | Lily Davis, Auburn | 1 50 |
| Pongee skirt | Mrs. T. T. Adams, Auburn | 1 50 |
| Knit lace | Mrs. Barter, Penryn | 1 50 |
| Crochet lace | Miss E. Smith | 1 50 |
| Tatting | Mrs. Albee, Penryn | 1 50 |
| Knit slippers | Mrs. N. A. Agard, Auburn | 1 50 |
| Painted splasher | Miss Collins, Auburn | 1 50 |
| Mexican work | Ella McHale, Auburn | 1 50 |
| Pressed wild flowers | Florence Dutken, Auburn | 1 50 |

FIFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------|------------------------------|--------|
| CLASS I. | | |
| Best half bushel wheat | E. J. Sparks, Lincoln | \$5 00 |
| Second best | P. Ahart, Lincoln | 3 00 |
| Best half bushel barley | A. B. McRae, Roseville | 5 00 |
| Second best | P. Ahart, Lincoln | 3 00 |

FIFTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--|--------|
| Best half bushel oats | E. J. Sparks, Lincoln | \$5 00 |
| Second best | Mrs. C. Ludwig, Auburn | 3 00 |
| Best half bushel rye | E. J. Sparks, Lincoln | 5 00 |
| Best half bushel shelled corn | E. T. Loring, Auburn | 5 00 |
| Second best | O. D. Storrs, Auburn | 3 00 |
| Best exhibit and greatest variety | E. J. Sparks, Lincoln | 10 00 |
| Best baled hay | W. McIntosh, Roseville | 5 00 |
| Best loose hay | J. May, Auburn | 3 00 |
| Second best | Mrs. C. Ludwig, Auburn | 1 50 |
| CLASS II. | | |
| Best corn on stalk | J. May, Auburn | 2 50 |
| Second best | Sam Laycock, Auburn | 1 50 |
| Best sweet corn on stalk | J. May, Auburn | 2 50 |
| Second best | T. B. Gibson, Auburn | 1 50 |
| Best broom corn | Colby & Smith, Clipper Gap | 1 50 |
| Best potatoes | M. Mouran, Clipper Gap | 2 50 |
| Second best | Mrs. Jo Hamilton, Auburn | 2 00 |
| Best onions | Valley View Farm, Valley View | 2 50 |
| Second best | J. K. Corea, Newcastle | 1 00 |
| Best sweet potatoes | Joseph Rogers, Rocklin | 2 50 |
| Best tomatoes | Mrs. C. Ludwig, Auburn | 2 00 |
| Second best | Joseph Rogers, Rocklin | 1 00 |
| Best cabbage | M. Mouran, Auburn | 2 00 |
| Second best | H. B. Gaylord, Auburn | 1 00 |
| Best sweet corn on ear | Mrs. Ludwig, Auburn | 2 00 |
| Second best | T. B. Gibson, Auburn | 1 00 |
| Best popcorn on ear | W. H. Curtis, Auburn | 2 00 |
| Second best | Emily Roberson, Auburn | 1 00 |
| Best exhibit of watermelons | Mrs. S. T. Corbin, Auburn | 2 50 |
| Second best | H. B. Gaylord, Auburn | 1 50 |
| Largest watermelon | Joseph Rogers, Rocklin | 2 50 |
| Largest muskmelon | J. K. Corea, Newcastle | 2 00 |
| Second largest | E. T. Loring, Auburn | 1 00 |
| Largest cantaloupe | J. K. Corea, Newcastle | 2 00 |
| Second largest | E. T. Loring, Auburn | 1 00 |
| Best parsnips | J. May, Auburn | 1 50 |
| Second best | Mrs. Jo Hamilton, Auburn | 1 00 |
| Best table carrots | Mrs. Jo Hamilton, Auburn | 1 50 |
| Second best | Mrs. C. Ludwig, Auburn | 1 00 |
| Best green cucumbers | J. May, Auburn | 1 50 |
| Second best | Libbie McVay, Auburn | 1 00 |
| Best stock beets | Joseph Rogers, Auburn | 2 00 |
| Second best | J. May, Auburn | 1 00 |
| Best table beets | T. B. Gibson, Auburn | 2 00 |
| Second best | J. May, Auburn | 1 00 |
| Best twenty pounds dried beans | W. H. Curtis, Auburn | 1 50 |
| Second best | J. W. Barker, Auburn | 1 00 |
| Best quality and greatest variety | T. B. Gibson, Auburn | 10 00 |
| Second best | Mrs. Jo Hamilton, Auburn | 5 00 |
| CLASS III. | | |
| Best flowering plants in bloom | Mrs. Jo Hamilton, Auburn | 5 00 |
| Best floral piece | Ed. Locher, Auburn | 2 50 |
| Best collection of ornamental plants | Mrs. Jo Hamilton, Auburn | 5 00 |
| Best cut flowers | Mrs. E. B. Beecher, Auburn | 2 50 |
| Best bouquet of cut flowers | Mrs. E. B. Beecher, Auburn | 1 50 |
| Second best cut flowers | Mabel Boardman, Auburn | 1 50 |
| Best grain in sheaf | E. J. Sparks, Lincoln | 5 00 |
| Second best | George Perkins, Newcastle | 3 00 |
| Best hops | Mrs. G. Armstrong, Auburn | 2 50 |
| Best tea plant | Mrs. E. Roberson, Auburn | 2 50 |
| Best tobacco plant | H. G. Munley, Auburn | 2 50 |
| CLASS IV. | | |
| Best ten pounds butter, in rolls | N. H. Karchner, Sheridan | 5 00 |
| Best jar butter three months old | Helen Robinson, Auburn | 5 00 |
| Second best | Mrs. E. P. Fletcher, Clipper Gap | 2 50 |

FIFTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------------|---------------------------------------|--------|
| CLASS V. | | |
| Best two loaves wheat bread..... | Hattie McCormick, Auburn..... | \$3 00 |
| Second best..... | Mrs. Williford, Auburn..... | 2 00 |
| Best biscuit..... | Mrs. Williford, Auburn..... | 2 00 |
| Best brown bread..... | Lena Babler, Auburn..... | 2 00 |
| Best graham bread..... | Mrs. Williford, Auburn..... | 2 00 |
| Best salt-rising bread..... | Mrs. J. C. Safford, Auburn..... | 2 00 |
| Best doughnuts..... | Mamie Halsey, Auburn..... | 1 50 |
| Second best..... | N. R. Karchner, Sheridan..... | 1 00 |
| Best exhibit of bread, etc..... | Mrs. Williford, Auburn..... | 5 00 |
| MISCELLANEOUS—BY ORDER OF DIRECTORS. | | |
| Best tea..... | Geo. Geisendorfer, Geisendorfers..... | 2 50 |
| Best lindel..... | Geo. Geisendorfer, Geisendorfers..... | 2 50 |
| Best squash..... | Jones & Son, Auburn..... | 1 50 |
| Best pumpkin..... | J. May, Auburn..... | 1 50 |
| Best cake..... | Julia Laycock, Auburn..... | 1 50 |
| Second best..... | Mrs. E. C. Williford, Auburn..... | 1 00 |
| Best cake by juvenile..... | Rose Freeman, Auburn..... | 1 00 |

SIXTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------------|------------------------------------|---------|
| Best apples..... | J. H. Runckle, Dutch Flat..... | \$10 00 |
| Second best..... | O. D. Storrs, Auburn..... | 5 00 |
| Third best..... | A. C. Kuhler, Auburn..... | 2 50 |
| Best pears..... | F. X. Laveller, Ophir..... | 10 00 |
| Second best..... | H. B. Gaylord, Auburn..... | 5 00 |
| Third best..... | O. D. Storrs, Auburn..... | 2 50 |
| Best peaches..... | G. W. Threlkel, Auburn..... | 10 00 |
| Second best..... | Valley View Farm, Valley View..... | 5 00 |
| Third best..... | George Perkins, Newcastle..... | 2 50 |
| Best plums..... | W. M. Baker, Colfax..... | 10 00 |
| Second best..... | H. H. Pillsbury, Auburn..... | 5 00 |
| Third best..... | Mrs. E. Roberson, Auburn..... | 2 50 |
| Best nectarines..... | J. W. Hulbert, Auburn..... | 5 00 |
| Second best..... | H. B. Gaylord, Auburn..... | 3 00 |
| Third best..... | G. W. Armstrong, Auburn..... | 2 00 |
| Best persimmons..... | Colby & Smith, Clipper Gap..... | 5 00 |
| Second best..... | J. W. Hulbert, Auburn..... | 3 00 |
| Third best..... | C. T. Adams, Newcastle..... | 2 00 |
| Best pomegranates..... | H. H. Pillsbury, Auburn..... | 5 00 |
| Second best..... | N. Atwood, Auburn..... | 3 00 |
| Best quinces..... | T. B. Gibson, Auburn..... | 5 00 |
| Second best..... | L. N. Lathrop, Newcastle..... | 3 00 |
| Third best..... | J. B. Chamberlain, Auburn..... | 2 00 |
| Best prunes..... | J. W. Hulbert, Auburn..... | 10 00 |
| Second best..... | W. H. Curtis, Auburn..... | 5 00 |
| Third best..... | J. H. Runckle, Dutch Flat..... | 3 00 |
| Best olives..... | Mrs. E. Roberson, Auburn..... | 5 00 |
| Second best..... | F. Closs, Auburn..... | 3 00 |
| Best lemons..... | Auburn Orange Growers' Assoc..... | 5 00 |
| Best figs..... | E. B. Beecher, Auburn..... | 5 00 |
| Second best..... | H. H. Pillsbury, Auburn..... | 3 00 |
| Third best..... | W. M. Foster, Lincoln..... | 2 00 |
| Best oranges..... | J. May, Auburn..... | 5 00 |
| Best general exhibit..... | J. K. Corea, Newcastle..... | 10 00 |
| Best table grapes..... | J. K. Corea, Newcastle..... | 10 00 |
| Second best..... | E. L. Hawk, Rocklin..... | 8 00 |
| Third best..... | L. N. Lathrop, Newcastle..... | 5 00 |
| Best variety of seedling grapes..... | W. M. Foster, Lincoln..... | 2 50 |
| Best strawberries..... | J. W. Barker, Auburn..... | 3 00 |
| Best blackberries..... | T. B. Gibson, Auburn..... | 3 00 |
| Best dried apples..... | R. T. Sutton, Auburn..... | 3 00 |

SIXTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------------|-------------------------------------|--------|
| Second best dried apples | H. B. Gaylord, Auburn | \$2 00 |
| Best dried pears | W. M. Foster, Lincoln | 3 00 |
| Second best | E. B. Beecher, Auburn | 2 00 |
| Best dried peaches | W. M. Foster, Lincoln | 3 00 |
| Second best | Valley View Farm, Valley View | 2 00 |
| Best dried plums | C. M. Delameter, Newcastle | 4 00 |
| Second best | L. N. Lathrop, Newcastle | 2 00 |
| Best dried apricots | W. M. Foster, Lincoln | 3 00 |
| Second best | E. B. Beecher, Auburn | 2 00 |
| Best dried nectarines | W. M. Foster, Lincoln | 3 00 |
| Second best | C. M. Delameter, Newcastle | 2 00 |
| Best dried figs | W. M. Foster, Lincoln | 5 00 |
| Second best | Valley View Farm, Valley View | 3 00 |
| Best dried prunes | W. M. Foster, Lincoln | 5 00 |
| Second best | S. F. Woodworth, Clipper Gap | 3 00 |
| Best dried berries | T. B. Gibson, Auburn | 3 00 |
| Best raisins | W. M. Foster, Lincoln | 10 00 |
| Best display of dried fruit | W. M. Foster, Lincoln | 10 00 |
| Best walnuts | E. H. Honn, Clipper Gap | 6 00 |
| Best soft-shell almonds | J. B. Meredith, Auburn | 2 50 |
| Best chestnuts | Colby & Smith, Clipper Gap | 2 50 |
| Best black walnuts | J. W. Hulbert, Auburn | 2 00 |
| Best honey | E. B. Beecher, Auburn | 2 00 |
| Best preserves in glass | Mrs. W. B. Lardner, Auburn | 3 00 |
| Best pickles | Mrs. T. B. Gibson, Auburn | 3 00 |
| Best confectionery | H. H. Pillsbury, Auburn | 5 00 |
| Best jellies | W. B. Lardner, Auburn | 3 00 |
| Best brandies and wines | John Kaiser, Penryn | 10 00 |
| Best grape brandy one year old | John Kaiser, Penryn | 3 00 |
| Best white wine | John Kaiser, Penryn | 5 00 |
| Best claret | John Kaiser, Penryn | 5 00 |
| Best port | John Kaiser, Penryn | 5 00 |
| Best olive oil | F. Closs, Auburn | 5 00 |
| Second best | Mrs. E. Roberson, Auburn | 3 00 |

SEVENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------------|--------------------------------------|---------|
| Best oil painting | Mrs. A. C. Stoddard, Auburn | \$10 00 |
| Second best | Mrs. Garrison, Forest Hill | 5 00 |
| Best water-color painting | Mrs. De Gomez, Auburn | 2 50 |
| Best collection of paintings | Miss M. E. Collins, Auburn | 5 00 |
| Best oil portrait | Miss Dody Willitts, Auburn | 7 50 |
| Best crayon drawing | Miss M. Hamilton, Auburn | 2 00 |
| Best pencil drawing | Dora Fletcher, Auburn | 2 00 |
| Best India ink drawing | Mrs. D. Johnson | 2 00 |
| Best pen drawing | E. A. Garrison, Forest Hill | 2 00 |
| JUVENILE. | | |
| Best oil painting | Nellie Beecher, Auburn | 5 00 |
| Best oil portrait | Nellie Prewett, Auburn | 3 00 |
| Best landscape | Oscar Houchin, Auburn | 2 00 |
| Best original crayon | Roy Service, Auburn | 1 00 |
| Best map drawing | Willie Gibson, Auburn | 2 50 |
| Best collection of photographs | W. E. Banbrook, Auburn | 10 00 |
| MISCELLANEOUS. | | |
| Best exhibition of map drawing | Harriet Lewis, Auburn | 5 00 |
| Second best | Daisy Hughes, Auburn | 3 00 |
| Best school work | Auburn School District, Auburn | 8 00 |
| Second best | Consolidated School District | 5 00 |
| Third best | Penryn School District, Penryn | 3 00 |

TRANSACTIONS

OF THE

TWENTY-FIRST DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the County of Fresno.

OFFICERS OF THE ASSOCIATION.

| | |
|--------------------|------------|
| LEWIS LEACH | President. |
| J. M. RENCK | Secretary. |
| FARMERS BANK | Treasurer. |

DIRECTORS.

| | |
|------------------------|---------|
| LEWIS LEACH | Fresno. |
| S. N. STRAUBE | Fresno. |
| W. M. HUGHES | Fresno. |
| WM. HELM | Fresno. |
| ALEXANDER GORDAN | Fresno. |
| F. P. WICKERSHAM | Fresno. |
| W. J. PRATHER | Fresno. |
| T. C. WHITE | Fresno. |

REPORT.

FRESNO, October 21, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Twenty-first District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

J. M. RENCK,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | |
|---------------------------------------|--------------------|
| From State appropriation..... | \$2,500 00 |
| From sale of privileges..... | 3,647 02 |
| From Fresno Driving Club..... | 1,000 00 |
| From entries to stakes..... | 3,160 50 |
| From sale of exhibitors' tickets..... | 368 00 |
| From donations..... | 143 00 |
| From rent of Pavilion..... | 25 00 |
| From Park gate receipts..... | 3,485 00 |
| From grand stand..... | 692 00 |
| From club house..... | 354 80 |
| | <hr/> |
| | <u>\$15,375 32</u> |

Expenditures.

| | |
|-------------------------------|--------------------|
| Premiums, 1891..... | \$1,794 50 |
| Stakes and purses..... | 6,330 00 |
| Improvements at Park..... | 2,150 00 |
| General expenses..... | 2,987 82 |
| Advertising and printing..... | 1,000 00 |
| Payroll..... | 594 00 |
| Hay and straw..... | 369 00 |
| Insurance..... | 150 00 |
| | <hr/> |
| | <u>\$15,375 32</u> |

DONATIONS.

| | |
|--------------------------|-----------------|
| G. Kutner & Co..... | \$10 00 |
| A. D. Barling..... | 10 00 |
| Grand Central Hotel..... | 25 00 |
| T. J. Hay..... | 10 00 |
| A. Gordan..... | 10 00 |
| M. Pollasky..... | 10 00 |
| A. J. Wiener..... | 10 00 |
| Fresno "Republican"..... | 10 00 |
| Farmers Bank..... | 10 00 |
| Thomas E. Hughes..... | 5 00 |
| A. J. Pedlar..... | 2 00 |
| W. H. McKenzie..... | 5 00 |
| Lewis Leach..... | 5 00 |
| T. H. Ball..... | 2 00 |
| William Helm..... | 5 00 |
| F. G. Berry..... | 5 00 |
| H. D. Colson..... | 5 00 |
| W. W. Phillips..... | 2 00 |
| T. C. White..... | 2 00 |
| | <hr/> |
| | <u>\$148 00</u> |

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------|---------|
| CLASS I. | | |
| King Daniels, stallion, four years old and over | N. W. Motheral, Hanford | \$20 00 |
| Queen Emma, mare, four years old and over | N. W. Motheral, Hanford | 10 00 |
| Henry F. Bay, stallion, three years old | J. H. Walker, Selma | 12 00 |
| CLASS II. | | |
| Riverisco, stallion, six years old | W. H. Paulin, Fresno | 7 00 |
| Paryabi, stallion, two years old | W. H. Paulin, Fresno | 7 00 |
| Golden Cloud, stallion colt, under one year | W. H. Paulin, Fresno | 3 00 |
| Bell Russell, mare, four years old | W. H. Paulin, Fresno | 10 00 |
| Nuggatine, mare, one year old | W. H. Paulin, Fresno | 4 00 |
| Dolly, mare colt, under one year | W. H. Paulin, Fresno | 1 00 |
| Hanford Maid, mare, three years old | N. W. Motheral, Hanford | 8 00 |
| Apex and family | S. N. Straube, Fresno | 15 00 |
| Mattie, mare, four years old and over | S. N. Straube, Fresno | 5 00 |
| Ona H, mare, one year old | S. N. Straube, Fresno | 2 00 |
| Louetta, mare colt, under one year | S. N. Straube, Fresno | 3 00 |
| Clay Duke, stallion, eight years old | J. W. Martin, Woodville | 20 00 |
| Clay Duke and family | J. W. Martin, Woodville | 5 00 |
| Aaron, stallion, two years old | R. T. Moore, Fresno | 7 00 |
| Earl, stallion, one year old | G. W. Parker, Fresno | 4 00 |
| Vindix, stallion colt, under one year | S. N. Straube, Fresno | 3 00 |
| Mary May, mare, five years old | S. N. Straube, Fresno | 10 00 |
| Electro, stallion, five years old | J. W. Martin, Woodville | 20 00 |
| CLASS III. | | |
| Jack, stallion colt, under one year | W. H. Paulin, Fresno | 1 00 |
| Minnie, mare, nine years old | S. N. Straube, Fresno | 5 00 |
| Flossy, mare, one year old | S. N. Straube, Fresno | 4 00 |
| Annie C, mare colt, under one year | S. N. Straube, Fresno | 3 00 |
| Dora, mare, and two colts | S. N. Straube, Fresno | 10 00 |
| Alcantara Wilkes, stallion, four years old | William Robinson, Merced | 7 00 |
| CLASS IV. | | |
| Bell, best single mare to buggy | L. D. Scott, Clifton | 5 00 |
| Dexter and Queen, best carriage team | A. Buckland, Oleander | 10 00 |
| CLEVELAND BAYS. | | |
| Duke of Edinburgh and three colts | A. Buckland, Oleander | 5 00 |
| George, stallion colt, under one year | A. N. Terry, Selma | 3 00 |
| Wrangler, stallion, five years old | J. M. Ritchie, Stockton | 7 00 |
| Bauus, stallion, seven years old | S. F. Glasgow, Fowler | 20 00 |
| Mare colt, under one year | A. N. Terry, Selma | 3 00 |
| Lord Hartington and three colts | W. J. Prather, Fresno | 15 00 |
| Hunter, stallion, one year old | W. J. Prather, Fresno | 4 00 |
| Rose Leaf, mare, eight years old | W. J. Prather, Fresno | 10 00 |
| Smoothy, stallion colt, under one year | W. J. Prather, Fresno | 1 00 |
| Queenie, mare, four years old | Wm. Wilkinson, Fresno | 5 00 |
| Hyacinth, mare, two years old | W. J. Prather, Fresno | 5 00 |
| Zenobia, mare colt, under one year | Wm. Wilkinson, Fresno | 3 00 |
| Queen of the Bays, mare colt, under one year | W. J. Prather, Fresno | 1 00 |
| Rose Leaf and two colts | W. J. Prather, Fresno | 10 00 |
| CLASS V. | | |
| Illiers, stallion, thirteen years old | W. J. Prather, Fresno | 20 00 |
| Sultan, stallion, six years old | W. M. Williams, Fresno | 7 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|------------------------------|--------|
| Penoche, stallion, two years old | Jas. Voorhies, Fresno | \$7 00 |
| Rodney, stallion, two years old | W. J. Prather, Fresno | 3 00 |
| Nellie, mare, nine years old | Jas. Voorhies, Fresno | 10 00 |
| Kitty, mare, one year old | Jas. Voorhies, Fresno | 4 00 |
| Nellie and two colts | Jas. Voorhies, Fresno | 10 00 |
| CLASS VI. | | |
| Royal Fred, stallion, six years old | R. G. Flournoy, Fresno | 20 00 |
| Royal Fred and family | R. G. Flournoy, Fresno | 15 00 |
| CLASS VII. | | |
| Paragon, stallion, six years old | F. G. Berry, Fresno | 20 00 |
| Tehipiti, stallion, three years old | Frank Dusy, Jr., Selma | 12 00 |
| Confidence and three colts | F. G. Berry, Fresno | 15 00 |
| Fly, mare, six years old | A. N. Terry, Selma | 10 00 |
| Birdie, mare, ten years old | A. N. Terry, Selma | 5 00 |
| Hazel, mare, two years old | J. H. Fox, Lemoore | 5 00 |
| Flora, mare, one year old | J. H. Fox, Lemoore | 4 00 |
| Cornet, mare colt, under one year | T. H. Throp, Fresno | 3 00 |
| Mattie, mare, two years old | Frank Bell, Lemoore | 2 00 |
| Belle F and two colts | J. H. Fox, Lemoore | 10 00 |
| Maud, mare colt, under one year | J. H. Fox, Lemoore | 1 00 |
| Fult, stallion colt, under one year | F. G. Berry, Fresno | 3 00 |
| Besty, stallion, two years old | F. G. Berry, Fresno | 3 00 |
| CLASS VIII—JACKS AND MULES. | | |
| Span of mules | L. D. Scott, Clifton | 5 00 |
| Gray Eagle, jack, five years old | W. D. Wressell, Fresno | 8 00 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-------------------------------|---------|
| CLASS IX. | | |
| Willie, bull, two years old | L. D. Scott, Clifton | \$20 00 |
| Straube, bull, one year old | L. D. Scott, Clifton | 7 00 |
| CLASS XIII. | | |
| Brigham, bull, three years old | Frank Dusy, Jr., Selma | 20 00 |
| CLASS XIX. | | |
| Aaggie Cortez, bull, three years old and over | F. H. Burke, Menlo Park | 20 00 |
| Thissa Lad, bull, two years old | F. H. Burke, Menlo Park | 10 00 |
| San Mateo, bull, two years old | F. H. Burke, Menlo Park | 5 00 |
| Lincoln Menlo, bull, one year old | F. H. Burke, Menlo Park | 7 00 |
| Ontai, bull, one year old | F. H. Burke, Menlo Park | 3 00 |
| Bull calf, under one year | F. H. Burke, Menlo Park | 3 00 |
| Aaggie Menlo, bull calf, under one year | F. H. Burke, Menlo Park | 1 00 |
| Bontje Lincoln 2d, cow, three years old and over | F. H. Burke, Menlo Park | 12 00 |
| Aaggie Lelia 2d, cow, three years old and over | F. H. Burke, Menlo Park | 6 00 |
| Cortez Dyne Coopman, cow, two years old | F. H. Burke, Menlo Park | 7 00 |
| Bontje Lincoln 3d, cow, two years old | F. H. Burke, Menlo Park | 4 00 |
| Misty Evening, cow, one year old | F. H. Burke, Menlo Park | 5 00 |
| Best heifer calf under one year | F. H. Burke, Menlo Park | 3 00 |
| Heifer calf under one year | F. H. Burke, Menlo Park | 1 00 |
| CLASS XX. | | |
| Herd—Aaggie Cortez, Bontje Lincoln 2d, Bontje Lincoln 3d, Aaggie Lelia 2d, Misty Evening | F. H. Burke, Menlo Park | 15 00 |
| Best bull of any age, Aaggie Cortez | F. H. Burke, Menlo Park | 8 00 |
| Second best bull of any age, Thissa Lad | F. H. Burke, Menlo Park | 2 00 |
| Best cow of any age, Bontje Lincoln | F. H. Burke, Menlo Park | 5 00 |
| Second best cow of any age, Aaggie Lelia 2d | F. H. Burke, Menlo Park | 2 00 |

THIRD DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------------|-------------------------------|--------|
| POULTRY. | | |
| Dark Brahma chicks | H. Davenport, Easton | \$1 00 |
| Light Brahma chicks | H. Davenport, Easton | 50 |
| Cochin fowls | L. D. Scott, Clifton | 2 00 |
| Cochin chicks | L. D. Scott, Clifton | 1 00 |
| Partridge Cochins | H. Davenport, Easton | 50 |
| Black-breasted Game fowls | Wm. Gifford, Easton | 2 00 |
| Black-breasted Game chicks | Wm. Gifford, Easton | 1 00 |
| Silver-spangled Hamburg fowls | D. S. Orr, Selma | 2 00 |
| Houdan fowls | D. S. Orr, Selma | 2 00 |
| Brown Leghorn fowls | D. S. Orr, Selma | 2 00 |
| White Leghorn chicks | G. W. Beall, Fresno | 1 00 |
| Barred White Plymouth fowls | D. S. Orr, Selma | 2 00 |
| Plymouth Rock chicks | D. J. McConnell, Fresno | 50 |
| White Plymouth Rock fowls | D. S. Orr, Selma | 2 00 |
| Black Spanish chicks | D. S. Orr, Selma | 1 00 |
| Silver-laced Wyandotte fowls | H. Davenport, Easton | 2 00 |
| Wyandotte chicks | H. Davenport, Easton | 50 |
| Silver-laced Wyandotte chicks | D. J. McConnell, Fresno | 1 00 |
| Plymouth Rock fowls | L. D. Scott, Clifton | 1 00 |
| Plymouth Rock chicks | L. D. Scott, Clifton | 1 00 |
| Leghorn fowls (two pair) | G. W. Beall, Fresno | 2 00 |

FOURTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|------------------------------------|--------|
| Watermelons | R. S. Mulholland, Fresno | \$2 00 |
| Cantaloupes | W. A. Calham, Selma | 1 00 |
| Muskmelons | W. A. White, Fresno | 1 00 |
| Table grapes | W. A. White, Fresno | 5 00 |
| Dried grapes | W. A. White, Fresno | 2 00 |
| Plums, single variety | W. A. Cowan, Fresno | 2 00 |
| Plums, five varieties | W. A. Cowan, Fresno | 4 00 |
| Fruits, California | W. A. Cowan, Fresno | 5 00 |
| Apples, sun-dried | W. A. Cowan, Fresno | 2 00 |
| Peaches, sun-dried | W. A. Cowan, Fresno | 2 00 |
| Exhibit of sun-dried fruits | W. A. Cowan, Fresno | 5 00 |
| Almonds | W. A. Cowan, Fresno | 2 00 |
| Quinces | W. A. Cowan, Fresno | 2 00 |
| Pears, three varieties | Geo. C. Roeding, Fresno | 4 00 |
| Figs, dried | John S. Dore, Fresno | 2 00 |
| Raisins | John S. Dore, Fresno | 5 00 |
| Seedless grapes | John S. Dore, Fresno | 5 00 |
| Chestnuts | H. M. Cutter, Selma | 2 00 |
| Oranges | G. W. Bell, Fresno | 3 00 |
| Apples | Frank Unger, Selma | 2 00 |
| Brandy | Barton Vineyard Co., Fresno | 3 00 |
| Port wine | Barton Vineyard Co., Fresno | 3 00 |
| Red wine | Barton Vineyard Co., Fresno | 3 00 |
| Peaches, single variety | William Rice, Fresno | 2 00 |
| Peaches, three varieties | William Rice, Fresno | 5 00 |
| Pears, single variety | William Rice, Fresno | 2 00 |
| Prunes, single variety | William Rice, Fresno | 2 00 |
| Peanuts | Miss A. E. Chenoweth, Malaga | 2 00 |
| Walnuts | Miss A. E. Chenoweth, Malaga | 2 00 |
| Figs, fresh | John S. Dore, Fresno | 2 00 |
| Pumpkins | R. S. Mulholland, Fresno | 2 00 |
| Squash | R. S. Mulholland, Fresno | 2 00 |
| Corn on stalk | H. E. Trueworthy, Fresno | 1 00 |
| Corn in ears | J. M. Stephenson, Kingsburg | 1 00 |
| GRANGE, OR CLUB, EXHIBITS. | | |
| Best display of agricultural products | Temperance Alliance | 100 00 |
| Second best | West Park Alliance | 90 00 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--------------------|---------------------------|---------|
| Third best | River Bend Alliance | \$80 00 |
| Fourth best | Malaga Alliance | 70 00 |
| Fifth best | Clay Alliance | 60 00 |
| Sixth best | Walnut Alliance | 50 00 |
| Seventh best | Lone Star Alliance | 33 00 |

FIFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------|--|-------------|
| Dairy utensils | G. G. Wickson & Co., San Francisco | D. & \$5 00 |
| Agricultural implements | G. G. Wickson & Co., San Francisco | \$10 00 |
| Horse boots | Julius Suss, Fresno | 2 00 |
| Harness, light double | Julius Suss, Fresno | 6 00 |
| Harness, light single | Julius Suss, Fresno | 4 00 |
| Harness, work, double | Julius Suss, Fresno | 5 00 |
| Saddle | Julius Suss, Fresno | 2 50 |
| Saddlery | Julius Suss, Fresno | Dip. & \$15 |
| Furniture | W. F. McVey, Fresno | Dip. & \$10 |
| Road scraper and leveler | Western Wheel Scraper Company, Sacramento | Diploma. |
| Ditching machine | Western Wheel Scraper Company, Sacramento | \$5 00 |
| Dentistry | U. Smith, Fresno | Diploma. |
| Plow, gang | Jas. Porteous, Fresno | \$3 00 |
| Top buggy | Jas. Porteous, Fresno | 5 00 |
| Two-wheeled cart | Jas. Porteous, Fresno | 2 00 |
| Phaeton | Jas. Porteous, Fresno | 5 00 |
| Farm wagon | Jas. Porteous, Fresno | 5 00 |
| Carriages, buggies, etc. | Jas. Porteous, Fresno | 10 00 |
| Windmill | George H. Roundey, Fresno | 5 00 |
| Organ | J. W. Racey, Fresno | D. & 6 00 |
| Piano | J. W. Racey, Fresno | D. & 10 00 |
| Churn | G. G. Wickson & Co., San Francisco | 3 00 |
| Cultivator | G. G. Wickson & Co., San Francisco | 2 00 |
| Harrow | G. G. Wickson & Co., San Francisco | 2 00 |
| Clod crusher | G. G. Wickson & Co., San Francisco | 4 00 |
| Milk separator | G. G. Wickson & Co., San Francisco | 15 00 |

SIXTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------|--------|
| PAINTINGS, ETC. | | |
| Crayon drawing | Mrs. E. C. Briscoe, Malaga | \$2 00 |
| Collection of paintings, own production | Mrs. M. Dron, Fresno | 6 00 |
| Painting in oil on canvas | Fred. Bauer, Visalia | 4 00 |
| Collection of paintings from any source | E. D. W. Faber, Fresno | 10 00 |
| Painting in India ink | E. D. W. Faber, Fresno | 2 00 |
| Landscape painting | E. D. W. Faber, Fresno | 4 00 |
| Animal painting | Clif. A. Covalt, Fresno | 4 00 |
| Flower painting | Josie Ryan, Fresno | 4 00 |
| Portrait in oil | Mrs. M. C. Shelton, Fresno | 4 00 |
| FANCY WORK. | | |
| Lace work, point | Miss Lizzie A. Guilford, Fresno | 2 00 |
| Crazy silk shawl | Mrs. Jennie Hines, Fresno | 2 00 |
| Crochet work in cotton | Mrs. D. R. Haycroft, Malaga | 1 00 |
| Toilet set | Miss Lena Backer, Fresno | 2 00 |
| Arrasene work | Mrs. S. M. Pancake, Fresno | 2 00 |
| Lambrequin | Mrs. S. M. Pancake, Fresno | 2 00 |
| Kensington work | Mrs. S. M. Pancake, Fresno | 2 00 |

SIXTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-------------------------------------|--------|
| Patchwork, crazy silk | Miss Jennie Himes, Fresno | \$2 00 |
| Embroidered sofa cushion | Miss Jennie Himes, Fresno | 2 00 |
| Lady's dress | Miss Jennie Himes, Fresno | 3 00 |
| Kensington work in silk | Miss Jennie Himes, Fresno | 2 00 |
| Silk embroidery on silk or velvet | Miss Jennie Himes, Fresno | 2 00 |
| Painting in water colors on silk | Miss Jennie Himes, Fresno | 3 00 |
| Fancy knitting | Mrs. J. H. La Rue, Malaga | 1 00 |
| Silk quilt | Mrs. E. J. Chase, Oleander | 2 00 |
| Rag carpet | G. W. Bell, Fresno | 2 00 |
| Patchwork | G. W. Bell, Fresno | 1 00 |
| Drawn work, Spanish | Mrs. H. E. Trueworthy, Fresno | 3 00 |
| Kensington painting | Mrs. Lottie Sanders, Sanders | 2 00 |
| Afghan | Mrs. Robert Rhea, Fresno | 2 00 |
| Table scarf | Mrs. J. W. Ferguson, Fowler | 2 00 |
| Needlework | Miss Tinnie Morris, Fresno | 3 00 |
| Crazy patchwork | Miss Hattie Bates, Fresno | 2 00 |
| FLORAL. | | |
| Miniature garden | Geo. C. Roeding, Fresno | 5 00 |
| Evergreen trees and shrubs | Geo. C. Roeding, Fresno | 2 50 |
| Trees, shrubs, and flowering plants | Geo. C. Roeding, Fresno | 10 00 |
| BREAD AND CAKE. | | |
| White bread | Florence Dusy, Selma | 2 00 |
| Coffee cake | Jessie Balch, Fresno | 3 00 |
| Pound cake | Florence Dusy, Selma | 2 00 |
| Sponge cake | Jessie Balch, Fresno | 2 00 |
| Fruit cake | Jessie Balch, Fresno | 2 00 |

SPECIAL PREMIUMS.

| Exhibit. | Exhibitor. | Award. |
|---|------------------------------------|-------------|
| Vineyard harrow | Jas. Porteous, Fresno | Diploma. |
| Single plow | Jas. Porteous, Fresno | Diploma. |
| Smith Premier typewriter | C. W. Gearhart, Fresno | Fav. men. |
| Architectural display | J. W. Bones, Fresno | Diploma. |
| Giant powder fuse cap fastener | N. W. Moody, Fresno | Sil. med. |
| Pomegranates | W. B. Banister, Fresno | \$1 00 |
| Cornichon grapes | W. B. Banister, Fresno | 1 00 |
| Zanta currants | W. A. White, Fresno | 1 00 |
| Mountain apples | A. Littlefield, Fresno | 3 00 |
| Domestic canned fruits | Miss Lena Backer, Fresno | 4 00 |
| Jellies | Mrs. Robert Rhea, Fresno | 2 50 |
| Pickles | Mrs. George Studer, Fresno | 2 00 |
| Preserves | Mrs. Lottie Sanders, Sanders | 2 00 |
| Catsup | Mrs. George Studer, Fresno | 1 50 |
| Best packed and finest quality of raisins .. | B. R. Woodworth, Fresno | G.M. & \$50 |
| Second best packed and finest quality of raisins .. | Noble Bros., Fresno | G.M. & \$30 |
| Glassware, crockery, etc. | Paul Borchardt, Fresno | Diploma. |
| Foreman fruit pitter | A. M. Smith, Oroville | Diploma. |
| Guns, sporting goods, etc. | A. Warnerkros, Fresno | \$10 00 |
| Drugs and toilet articles | George H. Monroe, Fresno | 5 00 |
| Carpets, house furnishing goods, etc. | Louis Einstein & Co., Fresno | 10 00 |
| Vineyard singletree | A. Hayes, Fresno | Diploma. |
| Laundry work | Grand Central Laundry, Fresno .. | Diploma. |
| Mantels, tiling, etc. | Baird & Hollenbeck, Fresno | \$5 00 |
| Jewelry and stationery | Thomas Yost & Son, Fresno | 10 00 |
| Tailoring | Led F. & E. C. Winchell, Fresno .. | 5 00 |
| Cart, pleasure and business | G. Albert Smith, Fresno | Diploma. |
| Jewelry | Bangle & Hansen, Fresno | \$5 00 |
| Optical goods | H. C. Warner, Fresno | 5 00 |
| Gents' furnishing goods | Hart & Levy, Fresno | 5 00 |
| Hats | Hart & Levy, Fresno | 5 00 |
| Photo frames, fancy decorated. | Miss L. A. Guilford, Fresno | 2 50 |

SPECIAL PREMIUMS—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---|-------------|
| Glove case, fancy decorated | Miss L. A. Guilford, Fresno | \$2 50 |
| Moss and shell work | Mrs. J. M. Looland, Olive, Orange County | 5 00 |
| Penmanship | Fresno Business College, Fresno .. | Diploma. |
| Crochet tidy | Lena Backer, Fresno | Diploma. |
| Tatting handkerchief | Mrs. Robert Rhea, Fresno | Diploma. |
| Darned net | Miss M. H. Berry, Fresno | \$5 00 |
| Photos and portraits | Theo. C. Marceau, San Francisco .. | G.M. & \$25 |
| Best class of work in India ink portraits .. | L. J. Mitchell, Fresno | Diploma. |
| Shell picture | E. D. W. Faber, Fresno | \$2 50 |

BABY SHOW.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------------|---------|
| Finest, handsomest, and healthiest baby, not over eighteen months old | Mrs. S. M. Ayer, Reedley | \$20 00 |
| Second finest, handsomest, and healthiest baby | Mrs. W. W. Poole, Fresno | 15 00 |
| Third finest, handsomest, and healthiest baby | Mrs. R. W. Rice, Fresno | 10 00 |

SPEED PROGRAMME.

TUESDAY, SEPTEMBER 29, 1891.

RACE No. 1—TROTTING.

Hughes Hotel Stake. For yearlings. Purse, \$380. Half mile and repeat.

| | | |
|---|---|---|
| G. L. Worlow's Athadon, by Matadon; dam, Athalie..... | 1 | 1 |
| H. P. Perkins' Maud Fox, by Iris; dam, Miss Thomas..... | 2 | 2 |
| C. K. Ragan's Adam, by Col K R; dam, Maud..... | 3 | 3 |

Time—1:24; 1:16.

RACE No. 2—RUNNING.

Purse, \$325. One mile.

| | |
|---|---|
| Owen Bros.' Mero, by Wildidle; dam, Precious..... | 1 |
| E. R. Neame's Lady Gwen, by Joe Daniels; dam, Emma..... | 2 |
| D. Reeves' Onti Ora, by Alta; dam, Thetis..... | 3 |

Time—1:46.

RACE No. 3—TROTTING.

2:40 Class. Purse, \$400. Mile heats, best three in five.

| | |
|--|---|
| S. A. Eddy's Beatrice, by Sterling..... | 1 |
| J. Hahn's El Capitan, by Nutwood..... | 2 |
| S. B. Hawkins' Black Dick, by Oakland Boy; dam, Dolly..... | 3 |
| E. Jamieson's Fligo, by Prompter..... | 4 |

Time—2:38; 2:38½; 2:35½; 2:32½; 2:38; 2:37.

RACE No. 4—TROTTING.

2:30 Class. Purse, \$400. Mile heats, best three in five.

| | |
|--|---|
| C. K. Ragan's Addie E, by Algona..... | 1 |
| A. W. Boucher's General Logan, by Alex Button..... | 2 |
| D. R. Mizner's Mattie P, by Jackson Temple..... | 3 |
| W. Summers' Daybreak, by Dawn..... | 4 |

Time—2:33; 2:32; 2:29½.

WEDNESDAY, SEPTEMBER 30, 1891.

RACE No. 5—RUNNING.

Purse, \$195. Five eighths of a mile.

| | |
|---|---|
| Owen Bros.' Royal Flush, by Three Cheers..... | 1 |
| J. H. Walker's April Fool, by Confidence..... | 2 |
| R. Stipe's Iodine, by Alp..... | 3 |

Time—1:02.

RACE NO. 6—PACING.

2:30 Class. Purse, \$300. Mile heats, best three in five.

| | |
|-------------------------------------|---|
| J. Hahn's Ashton | 1 |
| E. Jamieson's Mosquito | 2 |
| Owen Bros.' Babe | 3 |
| R. G. Flournoy's Mountain Boy | 4 |
| G. A. Dodge's Avalon | 5 |

Time—2:38; 2:30; 2:33½; 2:29½; 2:31.

RACE NO. 7—TROTTING.

Straube Stake. For two-year olds. Purse, \$510. Mile heats, best two in three.

| | |
|---|---|
| H. P. Perkins' Rosiris, by Iris; dam, by Bay Rose | 1 |
| A. D. Farley's April Fool, by Waterford; dam, Flora | 2 |
| R. Moore's Aaron, by Apex; dam, Fannie | 3 |

Time—2:49½; 2:48.

RACE NO. 8—RUNNING.

Purse, \$220. Three quarters of a mile.

| | |
|---|---|
| Owen Bros.' Ed McGinty, by Ed Corrigan | 1 |
| E. A. Neame's Lady Gwen, by Joe Daniels | 2 |
| Owen Bros.' Gracie C, by Joe Hooker | 3 |

Time—1:18½.

THURSDAY, OCTOBER 1, 1891.

RACE NO. 9—RUNNING.

Raisin Handicap. Purse, \$1,000. One mile and a quarter.

| | |
|---|---|
| Owen Bros.' Captain Al, by Kingston | 1 |
| Owen Bros.' Mero, by Wildidle | 2 |

Time—2:11.

RACE NO. 10—RUNNING.

Fresno Stake. Purse, \$140. Half mile and repeat.

| | |
|--|---|
| E. A. Neame's Myrtle, by King Daniels | 1 |
| Owen Bros.' Gracie C, by Joe Hooker | 2 |
| W. B. Fudge's Roseleaf, by Sleepy Dave | 3 |

Time—0:50½; 0:50½.

RACE NO. 11—TROTTING.

2:40 Class. Purse, \$350. Mile heats, best three in five.

| | |
|---|---|
| J. W. Martin's Del Rey, by Clay Duke | 1 |
| W. S. Taylor's Tommy T, by Nutwood | 2 |
| John Hahn's R H, by Mountain Boy | 3 |
| John Donahue's Congressman S, by Nephew | 4 |

Time—2:36; 2:30; 2:36½.

RACE NO. 12—PACING.

Purse, \$200. Mile heats, best three in five.

| | |
|---|---|
| D. R. Mizner's Plunkett, by Strathearn | 1 |
| Howard Bros.' Howard St. Clair, by Robert St. Clair | 2 |
| <i>Time</i> —2:31½; 2:34; 2:25½. | |

FRIDAY, OCTOBER 2, 1891.

RACE NO. 13—RUNNING.

Entrance, \$15; \$75 added. Three eighths of a mile.

| | |
|---|---|
| E. A. Neame's Myrtle, by King Daniels | 1 |
| W. B. Fudge's Roseleaf, by Rosewood | 2 |
| N. J. Farren's Queen B, by Jocko | 3 |
| <i>Time</i> —0:37½. | |

RACE NO. 14—RUNNING.

Entrance, \$15; \$100 added. Nine sixteenths of a mile.

| | |
|---|---|
| R. Stipe's Iodine, by Alp | 1 |
| H. Helman's Peregrine, by Joe Hooker | 2 |
| B. R. Crow's Niftie, by Bayswater, Jr. | 3 |
| <i>Time</i> —0:54½. | |

RACE NO. 15—RUNNING.

Entrance, \$15; \$150 added. One quarter of a mile.

| | |
|--|---|
| J. H. Walker's April Fool, by Confidence | 1 |
| J. H. Walker's Queen, by Confidence | 2 |
| W. L. Means' Lady Blanche | 3 |
| W. B. Fudge's Diamond Nose | 0 |
| Bart Olford's Sleepy Fred | 0 |
| A. Bertrandis' Redlight, by Alp | 0 |
| <i>Time</i> —0:21½. | |

RACE NO. 16—TROTTING.

Purse, \$300. Mile heats, best three in five.

| | |
|---------------------------------|---|
| W. G. Summers' Daybreak | 1 |
| L. B. Hawkins' Black Dick | 2 |
| E. Jamieson's Fligo | 3 |
| <i>Time</i> —2:42; 2:42½; 2:36. | |

RACE NO. 17—TROTTING.

Expositor Stake. Purse, \$800. Mile heats, best three in five.

| | |
|---|---|
| S. N. Straube's Dot, by Apex | 1 |
| H. P. Perkins' Wild Rose, by Bay Rose | 2 |
| <i>Time</i> —2:35; 2:37½; 2:37½; 2:39. | |

RACE No. 18—RUNNING.

Purse, \$350. One and one sixteenth miles.

| | |
|--|---|
| Owen Bros.' Mero, by Wildidle..... | 1 |
| E. A. Neame's Lady Gwen, by Joe Daniels..... | 2 |
| D. Reeves' Onti Ora, by Alta..... | 3 |

Time—1:53.

SATURDAY, OCTOBER 3, 1891.

RACE No. 19—RUNNING.

Entrance, \$12; \$120 added. Three eighths of a mile.

| | |
|---|---|
| B. T. Alford's Sleepy Fred; pedigree unknown..... | 1 |
| A. Ellis' Lady Blanche, by Alp..... | 2 |
| W. B. Fudge's Tulare Chief, by Sleepy Dave..... | 3 |
| N. J. Farren's Ben Hur, by Rifleman..... | 0 |

Time—0:35½.

RACE No. 20—RUNNING.

Purse, \$100. One half mile.

| | |
|--|---|
| H. Helman's Peregrine, by Joe Hooker..... | 1 |
| J. H. Walker's Queen, by Confidence..... | 2 |
| B. R. Crow's Niftie, by Bayswater, Jr..... | 3 |

Time—0:48½.

RACE No. 21—TROTTING.

H. L. Worlow's yearling Athadon, by Matadon, dam, Athalie, trotted one half mile in 1:14½.

RACE No. 22—TROTTING.

2:30 Class. Purse, \$300. Mile heats, best three in five.

| | |
|---|---|
| J. Hayes' Strathway, by Steinway..... | 1 |
| C. K. Ragan's Addie E, by Algona..... | 2 |
| E. H. Cox's Devotion, by Dexter Prince..... | 3 |

Time—2:26½; 2:27; 2:20; 2:28.

RACE No. 23—TROTTING.

Purse, \$175. Mile heats, best three in five.

| | |
|--|---|
| C. H. Bowers' Waterford, by Abbotsford..... | 1 |
| G. Edwards' Wormwood, by Nutwood..... | 2 |
| D. Mizner's Mattie P, by Jackson Temple..... | 3 |
| J. W. Martin's Clay Duke, by Algona..... | 4 |

Time—2:31½; 2:30; 2:30; 2:33; 2:33; 2:29.

TRANSACTIONS
OF THE
TWENTY-SECOND DISTRICT AGRICULTURAL ASSOCIATION
For the Year 1891,
Composed of the County of San Diego.

OFFICERS OF THE ASSOCIATION.

| | |
|--------------------------------|------------|
| CHAS. A. McDOUGALL | President. |
| W. W. HORINE | Secretary. |
| CALIFORNIA NATIONAL BANK | Treasurer. |

DIRECTORS.

| | |
|--------------------------|----------------|
| CHESTER GUNN | Julian. |
| W. H. H. DINWIDDIE | Valley Center. |
| CHAS. A. McDOUGALL | Escondido. |
| HOSMER P. McKOON | El Cajon. |
| L. STEADMAN | Escondido. |
| C. W. PAULEY | San Diego. |
| JOHN JUDSON | San Pasqual. |
| W. W. STEWART | San Diego. |

REPORT.

SAN DIEGO, January 15, 1892.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Twenty-second District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

W. W. HORINE,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | |
|--|-------------------|
| Balance in hands of Treasurer, 1890..... | \$0 39 |
| Net of loan from California National Bank..... | 150 50 |
| Sale of tickets at Pavilion..... | 1,619 06 |
| Sale of material..... | 124 19 |
| Sale of tickets at Driving Park..... | 885 60 |
| Sale of privileges at Driving Park..... | 274 00 |
| Sale of privileges at Pavilion..... | 19 56 |
| Donated premiums..... | 4 50 |
| Collection account Orange County Fair Association..... | 40 00 |
| Collection account American Trotting Association..... | 52 50 |
| Net from State appropriation..... | 1,980 00 |
| From printing and advertising..... | 132 50 |
| From race entrance money..... | 1,376 50 |
| Overdraft..... | 113 63 |
| | <hr/> |
| | <u>\$6,772 92</u> |

Expenditures.

| | |
|--|-------------------|
| Repayment of loan to California National Bank..... | 150 00 |
| Labor..... | 178 75 |
| Clerks and gatekeepers..... | 380 40 |
| Postage, express, and freight..... | 69 82 |
| Material..... | 350 48 |
| Hay..... | 139 25 |
| Claims of 1890..... | 102 05 |
| Drayage..... | 15 60 |
| Music and lights..... | 270 75 |
| Salaries of President and Secretary..... | 400 00 |
| Printing and advertising..... | 418 04 |
| Expense of officers..... | 331 53 |
| Payment of collections made for Orange County Association..... | 40 00 |
| Payment of collections made for American Trotting Association..... | 52 90 |
| Miscellaneous..... | 162 97 |
| Premiums..... | 678 65 |
| Racing purses..... | 8,085 75 |
| | <hr/> |
| | <u>\$6,772 92</u> |

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|----------|
| CLASS I—THOROUGHBREDS—STALLIONS. | | |
| Kyrle D, five years old | A. H. Brinton, Escondido | \$10 00 |
| Hock Hocking, Jr., three years old | James Del Valle, Camulos | 7 00 |
| CLASS II—STANDARD BREED—STALLIONS. | | |
| Atto Rex, three years old and over | E. B. Gifford, San Diego | 10 00 |
| Atto Rex and three colts | E. B. Gifford, San Diego | 10 00 |
| CLASS III—ROADSTERS—STALLIONS. | | |
| Shelby Chief, eight years old | Cad. Register, San Diego | 10 00 |
| Easter, four years old | Cad. Register, San Diego | 7 00 |
| Pilot, two years old | James Hewson, Encinitas | 7 00 |
| Arius, two years old | W. B. Coutts, San Marcos | 4 00 |
| —, suckling colt | S. M. Marshall, El Cajon | Diploma. |
| MARES. | | |
| Minnie, three years old | C. Mitchell, Ballena | \$7 00 |
| Hattie Willing, Jr., seven years old | E. J. Delory, San Diego | 10 00 |
| Bessie, three years old | Charles Kelly, Buena | 7 00 |
| —, one year old | E. B. Gifford, San Diego | 5 00 |
| Lucy, one year old | Charles Kelly, Buena | 3 00 |
| Rosetta, suckling colt | Charles Kelly, Buena | Diploma. |
| FAMILIES. | | |
| Ralph and four colts | Charles Kelly, Buena | \$5 00 |
| Shelby Chief and five colts | Cad. Register, San Diego | 10 00 |
| Mare and two colts | Mary A. Clough, Lakeside | 7 00 |
| CLASS IV—DRAFT HORSES—STALLIONS. | | |
| Bunot, five years old | John Judson, San Pasqual | 10 00 |
| CLASS V—HORSES OF ALL WORK—STALLIONS. | | |
| Henry Clay, seven years old | John Judson, San Pasqual | 10 00 |
| MARES. | | |
| Cressy, three years old | Charles Kelly, Buena | 7 00 |
| Nado, three years old | S. K. Klinefelter, Coronado | 10 00 |
| Queen, two years old | W. C. Warren, Nuevo | 7 00 |
| CLASS VI—DRAFT HORSES—MIXED BREEDS. | | |
| Ben A, eight years old | Stockton & Dukes, Nuevo | 10 00 |
| CLASS VII—CLYDESDALES. | | |
| Privateer, Clydesdale stallion | H. Thorson, San Diego | 10 00 |
| Beaconsfield, Cleveland Bay stallion | J. S. Olds, Del Mar | 10 00 |
| Goldfinder, Cleveland Bay stallion | W. C. Latta, San Pasqual | 5 00 |
| CLASS VIII—DRIVING HORSES. | | |
| Single driving horse | H. M. Squires, Vista | 5 00 |
| Matched team | A. F. Beller, Encinitas | 7 00 |
| Matched team | W. B. Coutts, San Marcos | 5 00 |
| CLASS IX—SADDLE HORSES. | | |
| Best | Charles Kelly, Buena | 5 00 |
| Second best | H. M. Squires, Vista | 3 00 |
| SPECIAL. | | |
| Stallion, pacer | James Hewson, Encinitas | Diploma. |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------|----------------------------------|---------|
| CATTLE—GUERNSEYS. | | |
| Bull, three years old..... | J. W. Cox, Twin Oaks..... | \$10 00 |
| Bull, under one year..... | J. W. Cox, Twin Oaks..... | 3 00 |
| Cow, three years old..... | J. W. Cox, Twin Oaks..... | 7 00 |
| Cow, three years old..... | J. W. Cox, Twin Oaks..... | 5 00 |
| Cow, two years old..... | J. W. Cox, Twin Oaks..... | 5 00 |
| Cow, one year old..... | J. W. Cox, Twin Oaks..... | 3 00 |
| Bull, two years old..... | John Judson, San Pasqual..... | 5 00 |
| Bull and four cows..... | J. W. Cox, Twin Oaks..... | 75 00 |
| Bull and four of his get..... | J. W. Cox, Twin Oaks..... | 25 00 |
| Heifer..... | J. W. Cox, Twin Oaks..... | 3 00 |
| POULTRY. | | |
| Brown Leghorns..... | C. F. Thomas, Nestor..... | 2 00 |
| Indian Games..... | J. R. Campbell, Coronado..... | 2 00 |
| Spangled Bantams..... | Newton Judson, San Pasqual..... | 2 00 |
| Houdans..... | Mrs. D. McLaren, San Diego..... | 2 00 |
| Light Brahmas..... | Mrs. D. McLaren, San Diego..... | 2 00 |
| Bantams..... | E. D. Richardson, San Diego..... | 2 00 |
| Fan-tail pigeons..... | Wm. Dabney, North San Diego..... | 2 00 |
| Black Leghorns..... | Newton Judson, San Pasqual..... | 2 00 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|---------|
| FRUITS, VEGETABLES, ETC. | | |
| General display of deciduous fruits..... | Chester Gunn, Julian..... | \$80 00 |
| General display of apples..... | Chester Gunn, Julian..... | 10 00 |
| General display of pears..... | Chester Gunn, Julian..... | 5 00 |
| Display of pears, five varieties..... | Chester Gunn, Julian..... | 5 00 |
| Plate Ben Davis apples..... | Chester Gunn, Julian..... | 1 00 |
| Plate Maiden's Blush apples..... | Chester Gunn, Julian..... | 50 |
| Plate Duchess of Oldenburg apples..... | Chester Gunn, Julian..... | 1 00 |
| Plate Spitzenberg apples..... | Chester Gunn, Julian..... | 1 00 |
| Plate Rome Beauty apples..... | Chester Gunn, Julian..... | 50 |
| Plate Newtown Pippin apples..... | Chester Gunn, Julian..... | 1 00 |
| Plate Jonathan apples..... | Chester Gunn, Julian..... | 50 |
| Plate Rhode Island Greening apples..... | Chester Gunn, Julian..... | 1 00 |
| Plate Seckel pears..... | Chester Gunn, Julian..... | 50 |
| Plate Bartlett pears..... | Chester Gunn, Julian..... | 50 |
| Plate Keifer pears..... | Chester Gunn, Julian..... | 1 00 |
| Plate Silver prunes..... | Chester Gunn, Julian..... | 50 |
| Plate Yellow Egg plums..... | Chester Gunn, Julian..... | 50 |
| General display of jams and jellies..... | Mrs. D. McLaren, San Diego..... | 2 50 |
| Display of seedless raisins..... | G. H. Bower, San Diego..... | 3 00 |
| General display of jams and jellies..... | L. E. Allen & Co., San Diego..... | 10 00 |
| General display of peaches..... | C. F. Thomas, Nestor..... | 2 50 |
| Plate Flemish Beauty pears..... | Jas. P. Jones, San Diego..... | 1 00 |
| Plate White Winter Pearmain apples..... | Chas. Stein, El Nido..... | 50 |
| Display of muskmelons..... | P. S. Cox, Twin Oaks..... | 2 00 |
| Display of hops..... | A. Juch, Julian..... | 2 00 |
| Display of white corn..... | A. Juch, Julian..... | 2 00 |
| Display of popcorn..... | A. Juch, Julian..... | 2 00 |
| Display of marrow squash..... | A. Juch, Julian..... | 2 00 |
| Display of crookneck squash..... | A. Juch, Julian..... | 2 00 |
| Display of cabbage..... | A. Juch, Julian..... | 2 00 |
| Display of cucumbers..... | A. Juch, Julian..... | 2 00 |
| Display of white beans..... | A. Juch, Julian..... | 2 00 |
| Display of pink beans..... | A. Juch, Julian..... | 2 00 |
| Display of pumpkins..... | A. Juch, Julian..... | 1 00 |
| Plate Bates apples..... | W. L. Detrick, Julian..... | 1 00 |
| Plate Baltimore Red apples..... | W. L. Detrick, Julian..... | 1 00 |
| Display of table grapes..... | J. C. Frisbie, Sunnyside..... | 2 50 |
| Display of preserved fruits..... | Mrs. H. Bradt, San Diego..... | 15 00 |
| Display of jams and jellies..... | Mrs. H. Bradt, San Diego..... | 5 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--------------------------------------|----------|
| Display of yellow corn | R. G. Clark, Paradise Valley | \$2 00 |
| Plate Bonnie Brae lemons | P. Lohman, Otay Mesa | 50 |
| Plate Halesworth pears | H. Kent, Poway | 1 00 |
| Plate Souvenir du Congres pears | C. A. McDougall, Escondido | 1 00 |
| Display of comb honey | C. A. McDougall, Escondido | 5 00 |
| Display of lemons | P. T. Griffith, National City | 30 00 |
| Plate Eureka lemons | P. T. Griffith, National City | 1 00 |
| Plate Sicily lemons | P. T. Griffith, National City | 1 00 |
| Plate Lisbon lemons | P. T. Griffith, National City | 1 00 |
| Display of quinces | P. T. Griffith, National City | 2 50 |
| Display of English walnuts | P. T. Griffith, National City | 2 50 |
| Display of Trophy tomatoes | T. Walker, National City | 2 00 |
| Display of yellow onions | T. Walker, National City | 3 00 |
| Display of red onions | T. Walker, National City | 3 00 |
| Display of white onions | T. Walker, National City | 3 00 |
| Display of beets | T. Walker, National City | 2 00 |
| Plate Orange quinces | J. S. Harbison, San Diego | 50 |
| Plate Apple quinces | J. S. Harbison, San Diego | 50 |
| Plate Salway peaches | J. S. Harbison, San Diego | 50 |
| General display of oranges | J. S. Harbison, San Diego | 15 00 |
| General display of lemons | J. S. Harbison, San Diego | 20 00 |
| General display of grapes | J. M. Asher, El Cajon | 5 00 |
| Display of chestnuts | J. M. Asher, El Cajon | 2 50 |
| Display of dried pears | J. M. Asher, El Cajon | 2 00 |
| Five pounds dried peaches | J. M. Asher, El Cajon | 2 00 |
| Ten pounds dried figs | J. M. Asher, El Cajon | 2 50 |
| Five pounds dried apples | J. M. Asher, El Cajon | 1 00 |
| Display of raisins | J. M. Asher, El Cajon | 20 00 |
| Display of seedless raisins | J. M. Asher, El Cajon | 5 00 |
| Display of preserved fruits | J. M. Asher, El Cajon | 10 00 |
| Display of dried fruits | J. M. Asher, El Cajon | 20 00 |
| General display of apples | A. Miller, Wynola | 2 50 |
| Plate Baltimore Red apples | A. Miller, Wynola | 50 |
| Plate Indian Red apples | A. Miller, Wynola | 1 00 |
| Plate Yellow Newtown Pippin apples | A. Miller, Wynola | 50 |
| Plate Winter Nellis pears | A. Miller, Wynola | 1 00 |
| Plate Bartlett pears | A. Miller, Wynola | 1 00 |
| Plate Rambo apples | J. C. Ford, Wynola | 1 00 |
| Plate Smith's Cider apples | J. C. Ford, Wynola | 1 00 |
| Plate Fall Pippin apples | J. C. Ford, Wynola | 1 00 |
| Plate Ben Davis apples | H. F. Wilcox, Julian | 50 |
| Plate Twenty-ounce apples | H. F. Wilcox, Julian | 1 00 |
| Plate Swaar apples | H. F. Wilcox, Julian | 1 00 |
| Plate Transcendent apples | H. F. Wilcox, Julian | 1 00 |
| Plate Seedling Cling peaches | H. F. Wilcox, Julian | 1 00 |
| Plate Orange Cling peaches | H. F. Wilcox, Julian | 1 00 |
| Display of lemons | J. S. Harvey, El Nido | 10 00 |
| Display of oranges | J. S. Harvey, El Nido | 7 50 |
| Plate Eureka lemons | J. S. Harvey, El Nido | 50 |
| Ten pounds White Adriatic figs | W. H. Ferry, Lakeside | 5 00 |
| Twelve pounds No. 400 tomatoes | E. Aylworth, National City | 2 00 |
| Ten pounds soft-shell walnuts | E. Aylworth, National City | 2 50 |
| Display of preserved fruits | Mrs. E. Fleming, National City | 5 00 |
| Plate Salway peaches | W. H. Somers, El Cajon | 1 00 |
| Plate Duchess pears | J. A. Jasper, Julian | 1 00 |
| Plate Santa Ana pears | F. R. Sawday, Julian | 1 00 |
| Plate Vicar of Wakefield pears | F. R. Sawday, Julian | 1 00 |
| Plate Easter Beurre pears | F. R. Sawday, Julian | 1 00 |
| Plate Winter Nellis pears | F. R. Sawday, Julian | 50 |
| Plate Yellow Egg plums | F. R. Sawday, Julian | 1 00 |
| Plate Silver plums | F. R. Sawday, Julian | 1 00 |
| Display of olive oil | F. A. Kimball, National City | Diploma. |
| Display of olive pickles | F. A. Kimball, National City | \$5 00 |
| Display of pomegranates | Mrs. T. F. Miller, El Cajon | 2 00 |
| Display of fruit packages | Coronado Fruit Packing Company | Diploma. |
| Display of grapes | Escondido Land and Town Co. | \$20 00 |
| Three Hubbard squashes | E. T. Ward, Escondido | 1 00 |
| Plate Bonnie Brae lemons | E. F. Wilson, La Mesa | 1 00 |
| Display of strawberry guavas | E. F. Wilson, La Mesa | 2 00 |
| Display of brandy | Schranze & Palzien, San Diego | Diploma. |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|----------|
| Display of white wine | Schranze & Palzien, San Diego..... | Diploma. |
| Display of claret | Schranze & Palzien, San Diego..... | Diploma. |
| Display of sweet wine | Schranze & Palzien, San Diego..... | Diploma. |
| Display of champagne | Schranze & Palzien, San Diego..... | Diploma. |
| Display of sweet water | Schranze & Palzien, San Diego..... | Diploma. |
| Plate Bellflower apples | L. N. Bailey, Wynola | \$1 00 |
| Plate McAfee's Nonesuch apples | L. N. Bailey, Wynola | 50 |
| Plate Jonathan apples | L. N. Bailey, Wynola | 1 00 |
| Plate Jonathan apples | L. N. Bailey, Wynola | 50 |
| Display of deciduous fruits | Mrs. Z. Quincey, Ballena | |
| Best quality and variety of pears | Mrs. Z. Quincey, Ballena | 10 00 |
| Best pears, five varieties | Mrs. Z. Quincey, Ballena | 2 50 |
| Best prunes, four varieties | Mrs. Z. Quincey, Ballena | 5 00 |
| Best plums, three varieties | Mrs. Z. Quincey, Ballena | 2 50 |
| Plate Bellflower apples | Mrs. Z. Quincey, Ballena | 50 |
| Plate Perry's Russet apples | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Gloria Mundi apples | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Vandevere Pippin apples | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Glendale Beauty apples | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Wagner apples | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate King of Tompkins County apples | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Vandevere apples | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Cook's Seedling apples | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Beurré Hardy pears | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Easter Beurré pears | Mrs. Z. Quincey, Ballena | 50 |
| Plate Seckel pears | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Vicar of Wakefield pears | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Souvenir du Congres pears | Mrs. Z. Quincey, Ballena | 50 |
| Plate Halesworth pears | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Gray Doyenne pears | Mrs. Z. Quincey, Ballena | 50 |
| Plate Fellenberg prunes | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Damson plums | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Columbia plums | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Indian Blood peaches | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Late Crawford peaches | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Orange quinces | Mrs. Z. Quincey, Ballena | 1 00 |
| Plate Champion quinces | Mrs. Z. Quincey, Ballena | 1 00 |
| Ten pounds Burbank Seedling potatoes | Mrs. Z. Quincey, Ballena | 2 00 |
| General display of deciduous fruits | James Duffy, Julian | 40 00 |
| General display of deciduous fruits, six varieties | James Duffy, Julian | 5 00 |
| Plate Red Winter Pearmain apples | James Duffy, Julian | 1 00 |
| Plate Gravenstein apples | James Duffy, Julian | 1 00 |
| Plate Sonoma Seedling apples | James Duffy, Julian | 1 00 |
| Plate Smith's Cider apples | James Duffy, Julian | 50 |
| Plate Twenty-ounce apples | James Duffy, Julian | 50 |
| Plate McAfee's Nonesuch apples | James Duffy, Julian | 1 00 |
| Plate Maiden's Blush apples | James Duffy, Julian | 1 00 |
| Plate Spitzenberg apples | James Duffy, Julian | 50 |
| Plate Fall Pippin apples | James Duffy, Julian | 50 |
| Plate Baldwin apples | James Duffy, Julian | 1 00 |
| Plate Rome Beauty apples | James Duffy, Julian | 1 00 |
| Plate German prunes | James Duffy, Julian | 1 00 |
| Plate Hungarian prunes | James Duffy, Julian | 1 00 |
| Display of grapes | James Duffy, Julian | 10 00 |
| Five pounds dried apples | James Duffy, Julian | 2 00 |
| Ten pounds hops | James Duffy, Julian | 1 00 |
| Plate persimmons | George S. Irish, Elsinore | 50 |
| Five pounds dried apricots | George S. Irish, Elsinore | 2 00 |
| Three Hubbard squash | George S. Irish, Elsinore | 2 00 |
| Display of sweet potatoes | George S. Irish, Elsinore | 2 00 |
| Display of deciduous fruits | Riedy Bros., Escondido | 25 00 |
| Display of peaches | Riedy Bros., Escondido | 1 00 |
| Display of dried fruits | Riedy Bros., Escondido | 10 00 |
| Display of Rhode Island Greening apples | Riedy Bros., Escondido | 50 |
| Plate White Winter Pearmain apples | Reidy Bros., Escondido | 1 00 |
| Plate Lawver apples | Reidy Bros., Escondido | 1 00 |
| Plate Pen Red Streak apples | Reidy Bros., Escondido | 1 00 |
| Plate Keifer Hybrid pears | Reidy Bros., Escondido | 50 |
| Plate Le Conte pears | Reidy Bros., Escondido | 1 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|----------------------------------|--------|
| Plate Kelsey plums..... | Reidy Bros., Escondido..... | \$1 00 |
| Plate White Heath peaches..... | Reidy Bros., Escondido..... | 1 00 |
| Display of table grapes..... | Reidy Bros., Escondido..... | 5 00 |
| Five pounds dried Foster peaches..... | Reidy Bros., Escondido..... | 1 00 |
| Five pounds dried Royal apricots..... | Reidy Bros., Escondido..... | 1 00 |
| Five pounds dried French prunes..... | Reidy Bros., Escondido..... | 2 00 |
| Five pounds dried Golden Drop prunes..... | Reidy Bros., Escondido..... | 2 00 |
| Display of almonds..... | Reidy Bros., Escondido..... | 5 00 |
| Display of pumpkins..... | San Marcos Land and Town Co..... | 2 00 |

THIRD AND FOURTH DEPARTMENTS.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|----------|
| Cakes and crackers..... | Joseph Winters, San Diego..... | Diploma. |
| Yeast..... | Mrs. W. F. Burkhardt, Coronado..... | Diploma. |
| Bread, rolls, and cakes..... | Gray & Son, San Diego..... | Diploma. |
| Crystallized fruits..... | J. M. Asher, El Cajon..... | Diploma. |
| Extracts and fruit juices..... | E. H. Wadsworth, San Diego..... | Diploma. |
| Display of hardware..... | F. N. Hamilton, San Diego..... | Diploma. |
| Household furniture..... | Turner & Son, San Diego..... | Diploma. |
| Canned and smoked fish..... | San Diego Fish and Canning Co..... | Diploma. |
| Case of hand-made horseshoes..... | E. J. Delorey, San Diego..... | Diploma. |
| Variiegated polished marble..... | F. A. Kimball, National City..... | Diploma. |
| Pine plank forty-three inches square..... | J. A. Jasper, Julian..... | Diploma. |
| Salt-rising bread..... | M. F. Harlam, San Diego..... | \$1 00 |
| Twelve raised rolls..... | Mrs. F. Sanaborn, National City..... | 2 00 |
| Twelve baking powder biscuits..... | Mrs. F. Sanaborn, National City..... | 1 00 |
| Layer cake..... | Mrs. F. Sanaborn, National City..... | 1 00 |
| Steamed brown bread..... | Gertrude Doll, San Diego..... | 2 00 |
| Sponge cake..... | Gertrude Doll, San Diego..... | 1 00 |
| Soft ginger bread..... | Gertrude Doll, San Diego..... | 1 00 |
| Fruit cake..... | Gertrude Doll, San Diego..... | 1 00 |
| Salt-rising bread..... | Mrs. Charles Stewart, San Diego..... | 2 00 |
| Incubator..... | George E. Phelps, Santa Ana..... | Diploma. |

FIFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|--|-------------|
| NEEDLEWORK. | | |
| Crochet shawl..... | Gertrude Doll, San Diego..... | \$1 00 |
| Home-made rug..... | Mrs. I. B. Shipley, San Diego..... | 2 00 |
| Specimen of lace..... | Nona Edwards, San Diego..... | 1 00 |
| Hand-made garments..... | Mrs. M. A. Wardlaw, National City..... | 1 00 |
| Specimen of crochet tidy..... | Lizzie Murray, Mission Valley..... | 1 00 |
| Hand-made chemise..... | Mrs. Geo. D. Kendall, San Diego..... | 2 00 |
| Collection of fern work..... | E. Gregory, San Diego..... | 2 50 |
| Drawn work in linen..... | Mrs. L. A. Axtell, San Diego..... | 1 00 |
| Collection of ferns of San Diego County..... | Nancy Holton, Nuevo..... | 1 00 |
| Worsted patchwork quilt..... | Nancy Holton, Nuevo..... | 2 00 |
| Crochet quilt..... | Katie Sippiell, San Diego..... | 2 00 |
| Embroidery on linen..... | Mrs. F. E. Wadham, Coronado..... | 2 00 |
| Knit shawl..... | Mrs. S. King, San Diego..... | 1 00 |
| Knit afghan..... | Mrs. S. King, San Diego..... | 1 00 |
| Knit silk stockings..... | Mrs. S. King, San Diego..... | S. sep. bx. |
| Silk patchwork quilt..... | Mrs. Sim Hartsfield, San Diego..... | \$2 00 |
| Kindergarten class work..... | Jean C. Parker, San Diego..... | 10 00 |
| Knit quilt..... | Mrs. J. W. Burns, San Diego..... | 1 00 |
| Drawn work on linen..... | Miss N. Y. Trenouth, San Diego..... | 2 00 |
| Etching on linen..... | Ada M. Fredericksen, San Diego..... | 1 00 |
| Oil portrait (juvenile)..... | Mabel Stockton, San Diego..... | Diploma. |

FIFTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-------------------------------------|----------|
| Best display of art needlework..... | Miss Florence Richards, San Diego | Diploma. |
| Arrasene embroidery..... | Mrs. J. A. Barclay, San Diego..... | \$2 00 |
| Knit cotton lace..... | Mrs. J. A. Barclay, San Diego..... | 1 00 |
| Silk embroidery on plush..... | Miss Emma Sommers, San Diego..... | 2 00 |
| Crochet trimmings..... | Annie R. Conant, San Diego..... | 2 00 |
| Buttonholes..... | Annie R. Conant, San Diego..... | 1 00 |
| Patchwork quilt..... | Annie R. Conant, San Diego..... | 2 00 |
| Home-made portiers..... | Annie M. Dodd, San Diego..... | 2 00 |
| Buttonhole embroidery..... | Annie M. Dodd, San Diego..... | 1 50 |
| Oil marine view (juvenile)..... | Nellie Nolan, San Diego..... | Diploma. |
| For original design for household use..... | C. W. Stults, San Diego..... | \$2 00 |
| Home-made portiers..... | C. W. Stults, San Diego..... | 1 00 |
| Silk embroidery on silk..... | Mrs. C. D. Watkins, Nestor..... | 1 50 |
| Embroidery on wool..... | Mrs. C. D. Watkins, Nestor..... | 2 00 |
| Embroidery on wool..... | Mrs. C. D. Watkins, Nestor..... | 1 00 |
| Crochet afghan..... | Mrs. D. McLaren, San Diego..... | 2 00 |
| Shell work..... | Ellen De Soto, San Diego..... | Diploma. |
| Display of cocoons, reeled silk, and drawn floss..... | San Diego Silk Culture Society..... | Hn. men. |

SIXTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------------|--|----------|
| PAINTINGS, ETC. | | |
| Floral piece in oil..... | Mrs. G. Y. Harry, San Diego..... | \$2 00 |
| Decorated china tea set..... | Mrs. D. McLaren, San Diego..... | 5 00 |
| Artistic decoration in oil..... | Mrs. C. D. Watkins, Nestor..... | 3 00 |
| Pen and ink drawing..... | A. C. Meyers, San Diego..... | 3 00 |
| Collection of fine arts..... | Ladies' Annex, San Diego..... | 5 00 |
| Oil marine view..... | Miss E. A. Young, San Diego..... | 2 00 |
| Pen drawing..... | Charlotte Francisco, Lakeside..... | 2 00 |
| Oil marine view..... | J. N. Young, San Diego..... | 1 00 |
| Pen and ink lettering..... | Charlotte Francisco, Lakeside..... | 2 50 |
| Oil landscape..... | Mary B. McNealy, San Diego..... | 1 00 |
| Oil portrait..... | Thurston W. Black, San Diego..... | 1 00 |
| Water-color portrait..... | Thurston W. Black, San Diego..... | 1 00 |
| Floral piece in oil..... | Mrs. Mary B. Moore, San Diego..... | 1 00 |
| Oil landscape..... | Mrs. Mary B. Moore, San Diego..... | 2 00 |
| Oil portrait..... | F. L. Ryan, San Diego..... | 2 00 |
| Water-color portrait..... | F. L. Ryan, San Diego..... | 2 00 |
| Crayon portrait..... | F. L. Ryan, San Diego..... | 1 00 |
| Oil landscape..... | F. L. Ryan, San Diego..... | 1 00 |
| Minerals of San Diego County..... | Hendsch & Wedekind, San Diego..... | 10 00 |
| Shells and natural curiosities..... | Hendsch & Wedekind, San Diego..... | 5 00 |
| Minerals of San Diego County..... | Julian Mining District, Julian..... | 5 00 |
| Cut flowers..... | Miss K. O. Sessions, San Diego..... | 20 00 |
| Potted plants..... | Miss K. O. Sessions, San Diego..... | 5 00 |
| Potted plants..... | Sweetwater Nursery Co., San Diego..... | 10 00 |
| Citrus stock..... | Sweetwater Nursery Co., San Diego..... | Diploma. |
| Deciduous stock..... | Sweetwater Nursery Co., San Diego..... | Diploma. |
| Cut flowers..... | Mrs. C. O. Pierce, San Diego..... | \$10 00 |
| Water-color landscape..... | Mrs. Chas. Stewart, San Diego..... | 2 00 |

SEVENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|--|----------|
| MECHANICAL PRODUCTS. | | |
| Horse hay-and-brush rake..... | Jeff Kindleberger, San Diego..... | Diploma. |
| Farm gate..... | A. G. Rockfellow, San Diego..... | Diploma. |
| House gate..... | A. G. Rockfellow, San Diego..... | Diploma. |
| Open buggy..... | Parrott & Co., San Diego..... | Diploma. |
| Standard atlas of the world..... | A. S. Kenyon, San Diego..... | Diploma. |
| Book binding..... | Gould, Hutton & Co., San Diego..... | Diploma. |
| Printing..... | Gould, Hutton & Co., San Diego..... | Diploma. |
| Printing book..... | Gould, Hutton & Co., San Diego..... | Diploma. |
| Engraving on steel..... | M. German, San Diego..... | Diploma. |
| Manufactured candies..... | J. C. Mielke, San Diego..... | Diploma. |
| Combined anti-rattler and safety shaft coupler..... | W. E. Brown, National City..... | Diploma. |
| Safety axle nut..... | W. E. Brown, National City..... | Diploma. |
| Tree wash and orchard fertilizer..... | W. S. Hill, National City..... | Diploma. |
| Automatic car coupler..... | Jeff Kindleberger, San Diego..... | Diploma. |
| American tin..... | W. W. Stewart & Co., San Diego..... | Diploma. |
| Combination pillow-sham holder..... | Jeff Kindleberger, San Diego..... | Diploma. |
| Sewing machine attachment for reeling silk..... | Mrs. W. W. Collier, San Diego..... | Diploma. |
| Cement, San Diego County make..... | Cement Mfg. Co., San Diego..... | Diploma. |
| Polished marble..... | H. F. Wilcox, Julian..... | Diploma. |
| Soap chemicals..... | Coronado Chemical Co., Coronado..... | Diploma. |
| Stevens' dish-washing machine..... | Mrs. E. L. Foot, San Diego..... | Diploma. |
| Dressed stone, San Diego County make..... | Rockfellow Granite Co., San Diego..... | Diploma. |
| Polished granite, Southern Cal. work..... | Rockfellow Granite Co., San Diego..... | Diploma. |
| Display of soap..... | G. D. Stead Soap Co., San Diego..... | Diploma. |

SPEED PROGRAMME.

TUESDAY, OCTOBER 6, 1891.

RACE No. 1—TROTTING.

2:35 Class. Open to all. Mile heats, best three in five.

| | |
|---|---|
| Santez Bros.' Dick Richmond, by A. W. Richmond..... | 1 |
| P. J. Doyle's Miss Monroe, by Monroe Chief..... | 2 |
| E. B. Gifford's Richelieu, by A. W. Richmond..... | 3 |

Time—2:25½; 2:27½; 2:25½.

RACE No. 2—RUNNING.

Three quarters of a mile and repeat.

| | |
|--|---|
| F. Menchaca's El Rayo, by Grinstead..... | 1 |
| Al. Morine's Carmalita, by Hardwood..... | 2 |
| Grant Treanor's Belle, by Reveille..... | 3 |

Time—1:15½; 1:17½.

RACE No. 3—TROTTING.

3:00 Class. Open to all. Mile heats, best three in five.

| | | | |
|---|---|---|---|
| T. L. Burke's Larco, by A. W. Richmond..... | 1 | 1 | 1 |
| J. H. Kelly's Conn, by Inca..... | 2 | 2 | 2 |

Time—2:36½; 2:32½; 2:34½.

WEDNESDAY, OCTOBER 7, 1891.

RACE No. 4—TROTTING.

2:25 Class. Open to all. Mile heats, best three in five.

| | |
|--|---|
| Wyatt Earp's Jim Leach, by Inca..... | 1 |
| Dodd Dwyer's Kate Castleton, by Ethan Allen..... | 2 |

Time—2:37½; 2:32½; 2:28½; 2:31½; 2:32.

RACE No. 5—RUNNING.

Open to all. One mile.

| | |
|---|---|
| M. A. Forster's Zingarella, by Ed Corrigan..... | 1 |
| Robert Coutts' Jim Polk, by Shiloh..... | 2 |

Time—1:51.

RACE No. 6—PACING.

2:28 Class.

| | |
|---|-------|
| Henrietta Stock Farm's Rory O'More, by Judge Salisbury..... | w. o. |
|---|-------|

Time—2:24½.

SPECIAL TROTTING.

To beat 2:35.

| | |
|--|---|
| Walter Maben's Redondo, by Stamboul..... | 1 |
| Time..... | 2 |

Time—2:28½.

RACE No. 7—TROTTING.

For two-year olds and under owned in San Diego County. Mile heats, best two in three.

| | |
|--|---|
| T. L. Burke's Eva McGregor, by Evermore..... | 1 |
| J. Verlaque's Lady Annex, by Shelby Chief..... | 2 |
| Time—3:24½; 3:26½; 3:15½. | |

SPECIAL TROTTING.

| | |
|---|---|
| P. J. Doyle's Miss Monroe, by Monroe Chief..... | 1 |
| E. B. Gifford's Richelieu, by A. W. Richmond..... | 2 |
| W. Maben's Ben Corbett..... | 3 |
| Time—2:31; 2:29½; 2:30½; 2:32½; 2:30½. | |

THURSDAY, OCTOBER 8, 1891.

RACE No. 8—TROTTING.

2:30 Class. Open to all. Mile heats, best three in five.

| | |
|---|---|
| H. Delaney's Leon, by A. M. Richmond..... | 1 |
| Santez Bros.' Dick Richmond, by A. W. Richmond..... | 2 |
| Dodd Dwyer's Kate Castleton, by Ethan Allen..... | 3 |
| Time—2:29; 2:22½; 2:23½; 2:25½. | |

RACE No. 9—RUNNING.

One and one eighth miles.

| | |
|---|---|
| F. Menchaca's El Rayo, by Grinstead..... | 1 |
| Al. Morine's Carmalita, by Hardwood..... | 2 |
| C. J. Nickerson's Ben N, by Reveille..... | 3 |
| Time—1:58. | |

RACE No. 10—TROTTING.

2:40 Class. Open to all. Mile heats, best three in five.

| | |
|---|---|
| T. L. Burke's Larco, by A. W. Richmond..... | 1 |
| J. H. Kelly's Conn, by Inca..... | 2 |
| D. B. McFadden's Phoenix..... | 3 |
| Time—2:34½; 2:28; 2:40. | |

FRIDAY, OCTOBER 9, 1891.

RACE No. 12—RUNNING.

Half mile and repeat.

| | | |
|--|---|---|
| M. A. Forster's Gambo, by Wildidler..... | 1 | 1 |
| Grant Treanor's Belle, by Reveille..... | 2 | 2 |
| Time—0:48½; 0:50. | | |

RACE No. 13—TROTTING.

Free for all. Mile heats, best three in five.

| | |
|--|---|
| C. A. Durfee's McKinney, by Alcyone..... | 1 |
| K. D. Wise's Glendine, by Judge Salisbury..... | 2 |
| Edgemont Park Stable's Lucy R, by Sultan..... | 3 |

RACE No. 14—TROTTING.

For three-year olds owned in San Diego County. Mile heats, best three in five.

| | |
|--|---|
| E. B. Gifford's Rex, Jr., by Atto Rex..... | 1 |
| R. Fistler's Budd P, by Alert..... | 2 |
| Time—2:54½; 2:52½; 2:52; 2:50½. | |

TRANSACTIONS

OF THE

TWENTY-FOURTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the County of Santa Cruz (Pajaro Valley Agricultural Association).

OFFICERS OF THE ASSOCIATION.

| | |
|--------------------|------------|
| JAMES WATSON | President. |
| E. W. CARD | Secretary. |
| J. J. MOREY | Treasurer. |

DIRECTORS.

| | |
|----------------------|--------------|
| J. A. LINSOTT | Watsonville. |
| T. J. HORGAN | Watsonville. |
| G. W. SILL | Watsonville. |
| A. W. CONDIT | Watsonville. |
| C. E. BOWMAN | Watsonville. |
| H. L. JESSEN | Aptos. |
| P. J. THOMPSON | Watsonville. |
| JAMES WATERS | Watsonville. |

REPORT.

WATSONVILLE, December 1, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Pajaro Valley Agricultural Association, District Agricultural Association No. 24, submit this, their report of the transactions of said association, for the year ending this date.

E. W. CARD,
Secretary.

RECEIPTS AND EXPENDITURES.

*Receipts.**

| | |
|---|----------|
| Door receipts and admission tickets for competing for premiums..... | \$575 45 |
|---|----------|

Expenditures.

| | | |
|---|--------|------------|
| For premiums paid to exhibitors..... | | \$961 75 |
| H. Woods, labor..... | \$8 25 | |
| W. A. Sanborn, watchman..... | 12 00 | |
| R. Campbell, labor..... | 2 00 | |
| J. Carr, labor..... | 18 00 | |
| L. W. Wilson, labor..... | 14 00 | |
| A. B. White, labor..... | 18 00 | |
| Jas. Cronk, labor..... | 23 50 | |
| A. Barlow, watchman..... | 12 00 | |
| E. N. Hill, drayage..... | 50 | |
| D. Porter, labor and watch..... | 13 00 | |
| J. Downing, bill posting..... | 4 80 | |
| J. Jensen, labor..... | 2 00 | |
| Geo. Stewart, labor..... | 5 25 | |
| C. Risdon, drayage..... | 75 | |
| P. Folger, labor and watch..... | 13 75 | |
| | | 145 80 |
| Rustler Publishing Company, material..... | 18 00 | |
| P. J. Freiermuth, material..... | 1 50 | |
| Madden & Sheehy, material..... | 7 80 | |
| Watsonville Transcript, material..... | 8 75 | |
| McEwen Bros., material..... | 8 00 | |
| Maxim Gas Company, material..... | 26 50 | |
| Loma Prieta Lumber Company, material..... | 9 55 | |
| J. A. Baxter, material..... | 12 70 | |
| O. Stoesser, material..... | 9 25 | |
| Watsonville Hardware Company, material..... | 5 10 | |
| Burbeck & Co., material..... | 1 75 | |
| Watsonville Brass Band, music..... | 220 00 | |
| Rent for Fair Building one year..... | 250 00 | |
| Salary Secretary one year..... | 100 00 | |
| | | 671 70 |
| | | \$1,769 25 |

*State appropriation of \$1,500 not yet received.

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-------------------------------------|--------|
| STANDARD BRED—STALLIONS. | | |
| Adrian, three years old and over | J. A. Linscott, Watsonville | \$8 00 |
| Split Back, three years old and over | T. Liliencrantz, Aptos | 3 00 |
| IMPORTED DRAFT HORSES. | | |
| —, three years old and over | L. V. Willits, Watsonville | 7 50 |
| ROADSTERS—STALLIONS. | | |
| Commerce, three years old and over | T. Liliencrantz, Aptos | 6 00 |
| Pacific, one year old | J. A. Linscott, Watsonville | 5 00 |
| MARES. | | |
| —, three years old and over | T. Liliencrantz, Aptos | 6 00 |
| TEAMS, ETC. | | |
| Best | P. J. Thompson, Watsonville | 6 00 |
| Second best | O. H. Willoughby, Watsonville | 3 00 |
| Best single buggy horse | T. J. Horgan, Watsonville | 5 00 |
| Second best | F. S. Austin, Watsonville | 2 00 |
| HORSES OF ALL WORK—STALLIONS. | | |
| Juno, three years old and over | O. H. Willoughby, Watsonville | 6 00 |
| Yosemite, two years old | J. I. King, Watsonville | 5 00 |
| MARES. | | |
| Belle, three years old and over | C. Galletly, Watsonville | 6 00 |
| Lizzie, three years old and over | J. Christensen, Watsonville | 3 00 |
| Kate, one year old | D. Tuttle, Watsonville | 2 50 |
| Flora and colt | J. Christensen, Watsonville | 2 00 |
| Lady Princess and colt | O. H. Willoughby, Watsonville | 3 00 |
| GRADED DRAFT STALLIONS. | | |
| Prince, three years old and over | G. D. Rodgers, Watsonville | 5 00 |
| Bangor, three years old and over | T. Liliencrantz, Aptos | 2 00 |
| IMPORTED MARES. | | |
| —, three years old and over | L. V. Willits, Watsonville | 7 50 |
| —, two years old | L. V. Willits, Watsonville | 5 00 |
| —, one year old | L. V. Willits, Watsonville | 3 50 |
| —, suckling | L. V. Willits, Watsonville | 2 50 |
| SADDLE HORSES. | | |
| Best | P. J. Thompson, Watsonville | 5 00 |
| Second best | P. J. Thompson, Watsonville | 2 50 |
| CATTLE. | | |
| Durham bull | P. J. Thompson, Watsonville | 6 00 |
| Durham bull calf | P. J. Thompson, Watsonville | 2 50 |
| Durham cow | P. J. Thompson, Watsonville | 6 00 |
| Holstein bull | M. A. Silliman, Watsonville | 5 00 |
| Jersey cow | J. A. Blackburn, Watsonville | 5 00 |
| Jersey calf | C. Galletly, Watsonville | 5 00 |
| SHEEP. | | |
| Ram | H. C. Peckham, Watsonville | 3 50 |
| Ewe | H. C. Peckham, Watsonville | 3 50 |
| Family—ram, ewe, and lamb | H. C. Peckham, Watsonville | 5 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-------------------------------------|--------|
| POULTRY. | | |
| Best Light Brahmas..... | Mrs. J. Rowe, Watsonville..... | \$3 50 |
| Best Partridge Cochins..... | Mrs. O. Tuttle, Watsonville..... | 3 50 |
| Second best..... | Mrs. O. Tuttle, Watsonville..... | 1 50 |
| Best Langshans..... | C. E. Bowman, Watsonville..... | 3 50 |
| Second best..... | Mrs. J. Colehamer, Watsonville..... | 1 50 |
| Best Wyandottes..... | G. W. Sill, Watsonville..... | 3 50 |
| Second best..... | D. Tuttle, Watsonville..... | 1 50 |
| Best Red Game Bantams..... | P. Thompson, Watsonville..... | 3 50 |
| Best Bronze turkeys..... | L. Bockius, Watsonville..... | 3 50 |
| Second best..... | Mrs. J. Colehamer, Watsonville..... | 1 50 |
| Best Toulouse geese..... | J. A. Blackburn, Watsonville..... | 3 50 |
| Second best..... | Mrs. W. T. Harvey, Watsonville..... | 1 50 |
| Best Rouen ducks..... | Mrs. W. T. Harvey, Watsonville..... | 3 50 |
| Best Pekin ducks..... | Mrs. W. T. Harvey, Watsonville..... | 3 50 |
| Second best..... | Mrs. L. Bockius, Watsonville..... | 1 50 |
| Largest and best collection of thorough-bred poultry..... | Mrs. J. Rowe, Watsonville..... | 8 00 |
| Second largest and best..... | G. W. Sill, Watsonville..... | 4 00 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------------|-------------------------------------|--------|
| CLASS I—CEREALS. | | |
| Best sack wheat..... | H. C. Struve, Watsonville..... | \$3 00 |
| Second best..... | W. T. Harvey, Watsonville..... | 1 50 |
| Best sack barley..... | A. Roache, Watsonville..... | 2 50 |
| Second best..... | W. T. Harvey, Watsonville..... | 1 50 |
| Best sack oats..... | H. C. Struve, Watsonville..... | 3 00 |
| Best sack corn..... | G. D. Rodgers, Watsonville..... | 3 00 |
| Second best..... | K. Mansfield, Watsonville..... | 1 50 |
| Best sample of flax..... | N. M. Struve, Watsonville..... | 2 00 |
| Second best..... | A. Roache, Watsonville..... | 1 00 |
| CLASS II—VEGETABLES. | | |
| Best fifty pounds potatoes..... | G. D. Rodgers, Watsonville..... | 3 00 |
| Second best..... | D. Tuttle, Watsonville..... | 1 00 |
| Best sack onions..... | H. C. Struve, Watsonville..... | 3 00 |
| Second best..... | C. Galletly, Watsonville..... | 1 00 |
| Best six squash..... | G. D. Rodgers, Watsonville..... | 5 00 |
| Second best..... | K. Mansfield, Watsonville..... | 2 50 |
| Largest pumpkin..... | R. W. Eaton, Watsonville..... | 2 50 |
| Second largest..... | D. Tuttle, Watsonville..... | 1 00 |
| Best thirty pounds beans..... | J. A. Blackburn, Watsonville..... | 3 00 |
| Second best..... | K. Mansfield, Watsonville..... | 1 00 |
| Best thirty pounds peas..... | K. Mansfield, Watsonville..... | 2 50 |
| Best six feed beets..... | H. C. Struve, Watsonville..... | 1 50 |
| Best six mangel-wurzel beets..... | R. W. Eaton, Watsonville..... | 1 50 |
| Second best..... | C. Galletly, Watsonville..... | 1 00 |
| Best three cabbages..... | N. M. Struve, Watsonville..... | 1 50 |
| Second best..... | H. C. Struve, Watsonville..... | 1 00 |
| Best three cauliflowers..... | N. M. Struve, Watsonville..... | 1 50 |
| Best six cucumbers..... | H. C. Struve, Watsonville..... | 1 50 |
| Second best..... | R. W. Eaton, Watsonville..... | 1 00 |
| Best three cantaloupes..... | A. Roache, Watsonville..... | 1 50 |
| Second best..... | K. Mansfield, Watsonville..... | 1 00 |
| Best six carrots..... | R. W. Eaton, Watsonville..... | 1 50 |
| Second best..... | H. C. Struve, Watsonville..... | 1 00 |
| Best six feed carrots..... | R. W. Eaton, Watsonville..... | 1 50 |
| Second best..... | H. C. Struve, Watsonville..... | 1 00 |
| Best six parsnips..... | R. W. Eaton, Watsonville..... | 1 50 |
| Second best..... | H. C. Struve, Watsonville..... | 1 00 |
| Best six turnips..... | G. D. Rodgers, Watsonville..... | 1 50 |
| Best six stalks pieplant..... | James Waters, Watsonville..... | 1 50 |
| Second best..... | Mrs. W. T. Harvey, Watsonville..... | 1 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------|----------------------------------|--------|
| Best six stalks celery | R. W. Eaton, Watsonville | \$1 50 |
| Best six sugar beets | James Waters, Watsonville | 1 50 |
| Second best | N. Hudson, Watsonville | 1 00 |
| Best three watermelons | D. Tuttle, Watsonville | 1 50 |
| Second best | J. Albright, Watsonville | 1 00 |
| Best ten pounds tomatoes | K. Mansfield, Watsonville | 1 50 |
| Second best | G. D. Rodgers, Watsonville | 1 00 |

THIRD DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|---------|
| CLASS I—FRUITS. | | |
| Largest and best collection of fruit | James Waters, Watsonville | \$10 00 |
| Best ten varieties apples | J. A. Blackburn, Watsonville | 8 00 |
| Second best | G. W. Sill, Watsonville | 4 00 |
| Third best | C. Galletly, Watsonville | 4 00 |
| Best three varieties apples | W. A. Beck, Watsonville | 4 00 |
| Best box single variety of apples | C. Galletly, Watsonville | 3 00 |
| Second best | C. Galletly, Watsonville | 1 50 |
| Best five varieties pears | G. W. Sill, Watsonville | 4 00 |
| Second best | A. Roache, Watsonville | 2 00 |
| Largest collection of peaches | C. E. Bowman, Watsonville | 4 00 |
| Best single variety peaches | C. E. Bowman, Watsonville | 2 00 |
| Second best | C. E. Bowman, Watsonville | 1 50 |
| Best single variety prunes | C. E. Bowman, Watsonville | 3 00 |
| Best general display of berries | D. Tuttle, Watsonville | 5 00 |
| Second best | C. Galletly, Watsonville | 3 00 |
| Best single variety pears | C. Galletly, Watsonville | 2 50 |
| Second best | James Waters, Watsonville | 1 50 |
| Best wine grapes | C. Dandero, Watsonville | 2 50 |
| Best table grapes | C. E. Bowman, Watsonville | 2 50 |
| CLASS III—NUTS, ETC. | | |
| Best three pounds almonds | A. Roache, Watsonville | 1 50 |
| Best three pounds walnuts | Mrs. G. Pardee, Watsonville | 1 50 |
| Best olives | W. A. Beck, Watsonville | 5 00 |

FOURTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------------|-----------------------------------|--------|
| CLASS I—BUTTER, CHEESE, ETC. | | |
| Best four rolls fresh butter | N. A. Uren, Watsonville | \$3 50 |
| Second best | T. Liliencrantz, Aptos | 2 00 |
| Best pickled butter | T. Liliencrantz, Aptos | 3 50 |
| Second best | N. A. Uren, Watsonville | 2 00 |
| Best ranch butter | C. Galletly, Watsonville | 2 00 |
| Second best | G. D. Rodgers, Watsonville | 1 50 |
| Best three cheese | Wm. McGrath, Watsonville | 4 50 |
| CLASS II—CANNED FRUIT, JELLIES, ETC. | | |
| Best canned fruits | C. E. Bowman, Watsonville | 5 00 |
| Second best | Mrs. P. Folger, Watsonville | 2 50 |
| Best sweet pickles | G. D. Rodgers, Watsonville | 2 50 |
| Second best | Mrs. P. Folger, Watsonville | 1 50 |
| Best jelly | G. D. Rodgers, Watsonville | 3 50 |
| Second best | Mrs. P. Folger, Watsonville | 1 50 |
| Best jam | Mrs. D. Smith, Watsonville | 2 50 |
| Second best | Mrs. D. Porter, Watsonville | 1 00 |
| Best dried apricots | C. E. Bowman, Watsonville | 2 00 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|------------------------------------|----------------------------------|--------|
| CLASS IV—EVAPORATED FRUITS. | | |
| Best evaporated prunes | W. A. Beck, Watsonville | \$3 00 |
| Second best | C. E. Bowman, Watsonville | 1 50 |
| Best evaporated apricots | C. E. Bowman, Watsonville | 3 00 |
| Second best | W. A. Beck, Watsonville | 1 50 |
| Best evaporated pears | C. E. Bowman, Watsonville | 3 00 |
| Second best | W. A. Beck, Watsonville | 1 50 |
| Best evaporated apples | C. E. Bowman, Watsonville | 3 00 |
| Second best | C. E. Bowman, Watsonville | 1 50 |
| Best evaporated peaches | W. A. Beck, Watsonville | 3 00 |
| Second best | W. A. Beck, Watsonville | 1 50 |
| Fruit drier | W. A. Beck, Watsonville | 12 00 |
| CLASS V—HAMS, LARD, ETC. | | |
| Best hams | G. D. Rodgers, Watsonville | 2 50 |
| Best ten pounds lard | G. D. Rodgers, Watsonville | 1 50 |
| Second best | A. P. Roache, Watsonville | 1 00 |

SIXTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|----------------------------------|--------|
| CLASS I. | | |
| School work | M. Furlong, Watsonville | \$2 00 |
| School work | I. Steele, Watsonville | 2 00 |
| School work | Sarah Norris, Watsonville | 1 00 |
| CLASS II—FANCY WORK. | | |
| Best hand sewing | A. W. Furlong, Watsonville | 2 00 |
| Best hemstitching | E. Chapman, Watsonville | 2 25 |
| Best crocheting | S. Marcus, Watsonville | 1 75 |
| Second best | I. Steele, Watsonville | 1 00 |
| Best patchwork quilt | T. Stewart, Watsonville | 2 50 |
| Second best | A. Stewart, Watsonville | 1 00 |
| Best black patchwork | S. Marcus, Watsonville | 2 50 |
| Second best | M. Kilburn, Watsonville | 1 00 |
| Best doll's outfit | S. Stewart, Watsonville | 2 00 |
| Second best | S. Stewart, Watsonville | 1 00 |
| CLASS III—PASTRIES. | | |
| Best domestic bread | L. Leonard, Watsonville | 1 75 |
| Second best | M. Porter, Watsonville | 1 00 |
| Best graham bread | C. Linscott, Watsonville | 1 75 |
| Second best | M. Porter, Watsonville | 1 00 |
| Best biscuit | I. Trafton, Watsonville | 1 75 |
| Second best | C. Linscott, Watsonville | 1 00 |
| Best pastry, three kinds | C. Linscott, Watsonville | 1 75 |
| Best cake, three kinds | C. Linscott, Watsonville | 1 75 |
| Second best | I. Trafton, Watsonville | 1 00 |
| Best cookies, three kinds | C. Linscott, Watsonville | 1 75 |
| Second best | M. Porter, Watsonville | 1 00 |
| Best general exhibit | E. Menasco, Watsonville | 3 00 |

SEVENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|----------------------------------|--------|
| CLASS II—FANCY WORK. | | |
| Best article in ribbosene | L. Lewis, Watsonville | \$2 50 |
| Best article in arrasene | H. Chalmers, Watsonville | 2 50 |
| Second best | L. Lewis, Watsonville | 1 50 |
| Best embroidery on plush | Mrs. P. Smith, Watsonville | 2 75 |

SEVENTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|--------------------------------------|--------|
| Second best embroidery on plush | Mrs. W. Albright, Watsonville | \$1 00 |
| Best tapestry embroidery | Mrs. W. Albright, Watsonville | 2 75 |
| Best applique embroidery | Mrs. B. Osborne, Watsonville | 2 75 |
| Best outline embroidery | H. Chalmers, Watsonville | 2 00 |
| Second best | L. Lewis, Watsonville | 1 00 |
| Best Turkish embroidery | K. Mansfield, Watsonville | 2 00 |
| Second best | L. Lewis, Watsonville | 1 00 |
| Best chenille embroidery | Mrs. W. Albright, Watsonville | 2 00 |
| Second best | L. Lewis, Watsonville | 1 00 |
| Best table scarf, two ends | Mrs. J. Sheehy, Watsonville | 2 00 |
| Second best | Mrs. J. Walker, Watsonville | 1 00 |
| Best embroidered fire screen | H. Chalmers, Watsonville | 2 75 |
| Best sofa pillow | H. Chalmers, Watsonville | 2 75 |
| Best ottoman or stool | Mrs. B. Osborne, Watsonville | 2 00 |
| Best braiding | H. Chalmers, Watsonville | 2 00 |
| Best couching embroidery | L. Lewis, Watsonville | 2 50 |
| Best lace work | Mrs. A. Furlong, Watsonville | 2 00 |
| Second best | Mrs. P. Smith, Watsonville | 2 00 |
| Best modern point lace | Mrs. W. H. Rowe, Watsonville | 2 00 |
| Second best | Mrs. W. H. Rowe, Watsonville | 1 25 |
| Best drawn work | H. Chalmers, Watsonville | 2 25 |
| Best bead work | Mrs. A. Furlong, Watsonville | 2 00 |
| Second best | Mrs. P. Smith, Watsonville | 1 00 |
| Best silk bed quilt | Mrs. B. Osborne, Watsonville | 2 00 |
| Second best | Ella Woody, Watsonville | 1 00 |
| Best cotton bed quilt | Mrs. J. Walker, Watsonville | 2 00 |
| Second best | Mrs. A. Furlong, Watsonville | 1 00 |
| Best crochet bed quilt | Mrs. L. Pearce, Watsonville | 2 00 |
| Second best | Mrs. J. Walker, Watsonville | 1 00 |
| Best feather work | Mrs. A. Sweet, Watsonville | 2 00 |
| Second best | Mrs. D. Smith, Watsonville | 1 00 |
| Best shell work | Mrs. L. Pearce, Watsonville | 2 00 |
| Best piece babotine work | Ida Chalmers, Watsonville | 2 25 |
| Best toilet set, three pieces | Mrs. P. Folger, Watsonville | 2 00 |
| Second best | Eva Osborne, Watsonville | 1 00 |
| Best netting | Mrs. J. Colehamer, Watsonville | 2 00 |
| Second best | K. Mansfield, Watsonville | 1 00 |
| Best crochet cotton tidy | Grace Jackson, Watsonville | 2 00 |
| Second best | Mrs. L. Bockius, Watsonville | 1 00 |
| Best macrame work | Mrs. W. Albright, Watsonville | 2 00 |
| Best embroidered foot cushion | H. Chalmers, Watsonville | 2 00 |
| Best worsted sofa cushion | Mrs. D. Porter, Watsonville | 2 00 |
| Best hemstitching | Minnie Rowe, Watsonville | 2 75 |
| Second best | Mrs. L. Bockius, Watsonville | 1 00 |
| Best hand-knit underwear | Mrs. P. Folger, Watsonville | 2 50 |
| Second best | Mrs. R. W. Eaton, Watsonville | 1 00 |
| Best hand sewing | Mrs. W. H. Rowe, Watsonville | 2 00 |
| Second best | K. Mansfield, Watsonville | 1 00 |
| Best kensington work | H. Chalmers, Watsonville | 2 00 |
| Second best | Mrs. P. Folger, Watsonville | 1 00 |
| Best crochet shawl | Mrs. A. Peterson, Watsonville | 2 75 |
| Best tatting | Mrs. J. Colehamer, Watsonville | 2 00 |
| Best hearth rug | Mrs. C. Galletly, Watsonville | 2 00 |
| Second best | Mrs. L. Bockius, Watsonville | 1 00 |
| Third best | Mrs. J. Colehamer, Watsonville | 1 00 |
| Best baby's dress | Mrs. B. Osborne, Watsonville | 2 00 |
| Second best | Mrs. W. Albright, Watsonville | 1 00 |

EIGHTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------------|-------------------------------------|---------|
| Best display of furniture | Chas. Ford & Co., Watsonville | \$10 00 |
| Best display of upholstery | Chas. Ford & Co., Watsonville | 3 00 |
| Best display of window shades | Chas. Ford & Co., Watsonville | 2 00 |
| Best display of willowware | Chas. Ford & Co., Watsonville | 2 00 |

NINTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|--------|
| Oil painting, portraiture..... | Ida Chalmers, Watsonville..... | \$4 00 |
| Oil painting, flowers..... | Mrs. J. J. Morey, Watsonville..... | 2 00 |
| Oil painting, portraiture..... | Ida Chalmers, Watsonville..... | 3 50 |
| Oil painting, fruit..... | Mrs. J. J. Morey, Watsonville..... | 3 50 |
| Oil painting, fruit..... | Ida Chalmers, Watsonville..... | 3 50 |
| Oil painting, flowers..... | Ida Chalmers, Watsonville..... | 3 50 |
| Oil painting, life..... | Ida Chalmers, Watsonville..... | 1 50 |
| Oil painting, life..... | Ida Chalmers, Watsonville..... | 1 50 |
| Oil painting, marine view..... | Mrs. G. Pardee, Watsonville..... | 3 50 |
| Oil painting, marine view..... | L. Lewis, Watsonville..... | 1 50 |
| Oil painting, landscape..... | Mrs. C. Batchelder, Watsonville..... | 3 50 |
| Oil painting, landscape..... | Ida Chalmers, Watsonville..... | 1 50 |
| Oil painting from nature..... | Mrs. G. Pardee, Watsonville..... | 3 50 |
| Oil painting from nature..... | Mrs. F. Chapman, Watsonville..... | 3 50 |
| Oil painting from nature..... | Mrs. C. Batchelder, Watsonville..... | 1 50 |
| Painting in water colors..... | Mrs. G. Pardee, Watsonville..... | 3 50 |
| Painting in water colors..... | Mrs. G. Pardee, Watsonville..... | 1 50 |
| Painting in water colors..... | Mrs. F. Chapman, Watsonville..... | 1 50 |
| Panel painting..... | L. Osborne, Watsonville..... | 2 50 |
| Panel painting..... | Mrs. C. Batchelder, Watsonville..... | 2 50 |
| Panel painting..... | Ida Chalmers, Watsonville..... | 2 50 |
| Panel painting..... | Mrs. G. Pardee, Watsonville..... | 1 50 |
| Plaque painting..... | Ida Chalmers, Watsonville..... | 2 50 |
| Plaque painting..... | Mrs. F. Chapman, Watsonville..... | 1 00 |
| Crayon drawing..... | Mrs. J. Walker, Watsonville..... | 2 50 |
| Crayon drawing..... | Mrs. J. Walker, Watsonville..... | 2 50 |
| Crayon drawing..... | Mrs. J. Walker, Watsonville..... | 1 00 |
| Kensington painting..... | Mrs. W. Albright, Watsonville..... | 2 50 |
| Luster painting..... | Ida Chalmers, Watsonville..... | 2 50 |
| Hand-painted china..... | Mrs. G. Pardee, Watsonville..... | 2 50 |
| Steel engraving..... | Mrs. J. J. Morey, Watsonville..... | 2 50 |
| Penmanship..... | Mrs. C. Batchelder, Watsonville..... | 2 50 |
| Sea moss work..... | Mrs. B. Osborne, Watsonville..... | 2 50 |
| Exhibit of minerals, birds, and fishes..... | Mrs. J. Walker, Watsonville..... | 2 50 |
| Exhibit of minerals, birds, and fishes..... | Ida Chalmers, Watsonville..... | 2 50 |
| Exhibit of minerals, birds, and fishes..... | A. Roache, Watsonville..... | 1 00 |

TENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|-------------------------------------|--------|
| Collection of flowers in bloom..... | Mrs. J. Colehamer, Watsonville..... | \$4 50 |
| Collection of foliage plants..... | Mrs. W. H. Rowe, Watsonville..... | 4 50 |
| Display of cut flowers..... | Mrs. G. B. Card, Watsonville..... | 2 00 |
| Display of new and rare plants..... | Mrs. G. B. Card, Watsonville..... | 3 50 |
| Display of new and rare plants..... | Mrs. P. Smith, Watsonville..... | 3 50 |
| Display of ferns..... | Mrs. J. Walker, Watsonville..... | 1 50 |
| Display of bouquets..... | Mrs. J. Ingham, Watsonville..... | 3 50 |
| Display of bouquets..... | Mrs. G. Pardee, Watsonville..... | 3 50 |
| Display of hanging baskets..... | Minnie Hudson, Watsonville..... | 1 50 |
| Display of foliage plants..... | Mrs. J. Ingham, Watsonville..... | 2 25 |
| Display of hanging baskets..... | Mrs. W. H. Rowe, Watsonville..... | 1 00 |
| Display of ornamental grasses..... | Mrs. G. B. Card, Watsonville..... | 2 25 |
| Display of ornamental grasses..... | Mrs. L. Bockius, Watsonville..... | 1 00 |
| Display of preserved natural flowers..... | Mrs. G. B. Card, Watsonville..... | 2 50 |
| Display of preserved natural flowers..... | Mrs. W. Albright, Watsonville..... | 1 00 |
| Single floral piece..... | Mrs. J. Ingham, Watsonville..... | 3 50 |
| Single floral piece..... | Mrs. L. Bockius, Watsonville..... | 1 50 |
| Hot-house plants..... | Mrs. G. Pardee, Watsonville..... | 3 50 |

ELEVENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------------|--------|
| Original poem..... | Mrs. A. Roache, Watsonville..... | \$5 00 |
| Original essay..... | Mrs. O. Tuttle, Watsonville..... | 5 00 |
| Original essay..... | L. Osborne, Watsonville..... | 2 50 |
| Original essay by a youth..... | H. Marcus, Watsonville..... | 4 00 |
| Original musical composition by a youth..... | M. Porter, Watsonville..... | 4 00 |
| Original essay by a youth..... | P. Jensen, Watsonville..... | 2 00 |
| Original essay by a child under twelve years of age..... | L. Blohm, Watsonville..... | 4 00 |
| Original essay by a child under twelve years of age..... | L. Marcus, Watsonville..... | 2 00 |

TWELFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------------|--------------------------------------|--------|
| Best five pounds honey..... | Mrs. W. Harvey, Watsonville..... | \$2 50 |
| Best two pounds strained honey..... | Mrs. W. Harvey, Watsonville..... | 2 50 |
| Best brown bread..... | Mrs. D. Porter, Watsonville..... | 2 50 |
| Second best..... | Mrs. D. Smith, Watsonville..... | 1 00 |
| Best white bread..... | Mrs. D. Porter, Watsonville..... | 2 50 |
| Second best..... | Mrs. D. Smith, Watsonville..... | 1 00 |
| Third best..... | Mrs. G. D. Rodgers, Watsonville..... | 1 00 |
| Fourth best..... | Grace Jackson, Watsonville..... | 1 00 |
| Best pastry..... | Mrs. D. Smith, Watsonville..... | 2 50 |
| Second best..... | Mrs. K. Arano, Watsonville..... | 1 00 |
| Best general exhibit of cooking..... | Mrs. G. B. Card, Watsonville..... | 10 00 |
| Second best..... | Mrs. P. Folger, Watsonville..... | 5 00 |

SPECIAL DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------------|--------------------------------------|--------|
| Hand-made portier..... | Mrs. George Pardee, Watsonville..... | \$2 50 |
| Banana muskmelon..... | K. Mansfield, Watsonville..... | 1 00 |
| Table mats..... | Mrs. B. Osborne, Watsonville..... | 1 00 |
| Picture drape..... | Mrs. B. Osborne, Watsonville..... | 1 00 |
| Six table beets..... | Mrs. W. Harvey, Watsonville..... | 50 |
| Crochet tidy..... | Mrs. S. Marcus, Watsonville..... | 2 00 |
| Canned vegetables..... | L. Bockius, Watsonville..... | 1 50 |
| Silk tidy..... | L. Bockius, Watsonville..... | 1 00 |
| Slumber roll..... | J. Colehamer, Watsonville..... | 1 00 |
| Box smilax..... | L. Lewis, Watsonville..... | 3 50 |
| Original hand-made hat rack..... | A. Roache, Watsonville..... | 1 00 |
| Display of curios..... | A. Roache, Watsonville..... | 1 50 |
| Display of popcorn..... | Mrs. W. H. Rowe, Watsonville..... | 1 50 |
| Box smilax..... | Mrs. C. Batchelder, Watsonville..... | 1 00 |
| Hand-painted mirror..... | Mrs. C. Batchelder, Watsonville..... | 1 00 |
| Knitted table mats..... | Mrs. D. Smith, Watsonville..... | 1 50 |
| Hand-painted card..... | Mrs. C. Batchelder, Watsonville..... | 1 00 |
| Silk crochet purse..... | Mrs. W. Albright, Watsonville..... | 1 50 |
| Worsted slippers..... | Mrs. W. Albright, Watsonville..... | 1 50 |
| Knitting..... | Mrs. A. Peterson, Watsonville..... | 1 50 |
| Worsted crocheting..... | Mrs. A. Peterson, Watsonville..... | 1 50 |
| Display of crocheting..... | Mrs. A. Peterson, Watsonville..... | 1 50 |
| Display of beeswax..... | Mrs. W. Harvey, Watsonville..... | 1 50 |
| Display of pillow shams..... | Ella Woody, Watsonville..... | 1 50 |
| Display of table covers..... | Mrs. W. Albright, Watsonville..... | 1 50 |
| Display of firkin butter..... | T. Liliencrantz, Aptos..... | 1 50 |
| Display of evaporated fruits..... | W. A. Beck, Watsonville..... | 6 00 |
| Yankee pumpkin..... | G. D. Rodgers, Watsonville..... | 1 00 |

SPECIAL DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|-------------------------------------|--------|
| Six sweet potatoes | D. Tuttle, Watsonville | \$1 00 |
| Oil painting, cotton batting | Mrs. D. Chapman, Watsonville | 1 00 |
| Curios from Alaska | Mrs. N. A. Uren, Watsonville | 1 00 |
| Bell peppers | James Waters, Watsonville | 1 50 |
| Sweet corn | James Waters, Watsonville | 1 00 |
| Bolting cloth banner | Mrs. J. J. Morey, Watsonville | 1 50 |
| Display of sweet corn | D. Walker, Watsonville | 1 00 |
| Largest sweet potatoes | M. Nunes, Watsonville | 1 00 |
| Plush pincushion | M. Hudson, Watsonville | 1 00 |
| Tidy | M. Hudson, Watsonville | 1 50 |
| Photo case | M. Hudson, Watsonville | 1 50 |
| Worsteds slippers | Mrs. J. Walker, Watsonville | 1 50 |
| Table scarf, Turkish embroidery | H. Chalmers, Watsonville | 1 50 |
| Table scarf, rope silk | H. Chalmers, Watsonville | 1 50 |
| Table scarf, chenille | H. Chalmers, Watsonville | 1 50 |
| Table scarf, two ends | H. Chalmers, Watsonville | 1 50 |
| Table scarf, two ends | H. Chalmers, Watsonville | 1 50 |
| Brown bread and beans | L. Bothwell, Watsonville | 1 00 |
| Oil painting, bolting cloth | I. Chalmers, Watsonville | 1 00 |
| Koa seed work | I. Chalmers, Watsonville | 1 00 |
| Oil-painted screen | I. Chalmers, Watsonville | 1 50 |
| Oil-painted mirror | M. Nunes, Watsonville | 1 50 |
| Watermelon | I. Chalmers, Watsonville | 1 00 |

SPECIAL JUVENILE DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------------|--------|
| Oil painting, flowers | E. Ingham, Watsonville | \$1 00 |
| Photograph case | A. Jackson, Watsonville | 75 |
| Hand-painted banner | A. Jackson, Watsonville | 1 00 |
| Easel scarf | A. Jackson, Watsonville | 1 00 |
| Hand-painted scent bag | A. Jackson, Watsonville | 1 00 |
| Luster-painted banner | A. Jackson, Watsonville | 1 00 |
| Oil painting on ivory | A. Jackson, Watsonville | 75 |
| Oil painting, landscape | A. Jackson, Watsonville | 75 |
| Oil painting, panel | A. Jackson, Watsonville | 1 00 |
| Oil painting, flowers | A. Jackson, Watsonville | 75 |
| Rickrack apron | A. Stewart, Watsonville | 75 |
| Table scarf | A. Stewart, Watsonville | 75 |
| Sofa cushion | A. Stewart, Watsonville | 1 00 |
| Embroidered pillow shams | A. Stewart, Watsonville | 1 00 |
| Oil painting, flowers | H. Chapman, Watsonville | 1 00 |
| Oil painting, landscape | H. Chapman, Watsonville | 1 00 |
| Oil painting from nature | H. Chapman, Watsonville | 75 |
| Six glasses jelly | Eva Osborne, Watsonville | 1 00 |
| Jam | Eva Osborne, Watsonville | 1 00 |
| Toilet set, three pieces | Eva Osborne, Watsonville | 75 |
| Oil painting, flowers | M. Kilburn, Watsonville | 75 |
| Oil painting, fruit | M. Kilburn, Watsonville | 75 |
| Hand-painting, paper, in water colors | Idelle Steele, Watsonville | 1 00 |
| Drawn work | Idelle Steele, Watsonville | 1 00 |
| Flowers, water colors | Idelle Steele, Watsonville | 75 |
| Flowers painted from nature | Idelle Steele, Watsonville | 75 |
| Flowers, water colors | Idelle Steele, Watsonville | 75 |
| Hand-painted key rack | Idelle Steele, Watsonville | 1 00 |
| Crochet lamp mat | Idelle Steele, Watsonville | 75 |
| Sweet pickles | M. Porter, Watsonville | 1 00 |
| Physical map of continents | Charles Steele, Watsonville | 1 00 |
| Jelly | M. Porter, Watsonville | 75 |
| Jam | M. Porter, Watsonville | 75 |
| Dried apricots | M. Porter, Watsonville | 75 |
| Dried prunes | M. Porter, Watsonville | 75 |
| Hemstitching | M. Porter, Watsonville | 2 25 |
| Silk sofa pillow | I. Trafton, Watsonville | 1 00 |
| Paper holder | I. Trafton, Watsonville | 1 00 |

SPECIAL JUVENILE DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------------|------------------------------------|--------|
| One dozen jars preserved fruits..... | I. Trafton, Watsonville..... | \$1 00 |
| Machine-sewed chemise..... | I. Trafton, Watsonville..... | 1 00 |
| Chowchow..... | M. Kilburn, Watsonville..... | 1 00 |
| Sweet tomato pickles..... | M. Kilburn, Watsonville..... | 75 |
| China painting..... | H. Chapman, Watsonville..... | 1 00 |
| Macrame work..... | C. Linscott, Watsonville..... | 75 |
| Macrame work bag..... | C. Linscott, Watsonville..... | 75 |
| Outlining..... | Lois Araro, Watsonville..... | 75 |
| Preserved fruit..... | L. Leonard, Watsonville..... | 75 |
| Ribbon embroidery..... | L. Leonard, Watsonville..... | 1 00 |
| Charcoal painting..... | Edna Menasco, Watsonville..... | 1 00 |
| Charcoal painting..... | E. Menasco, Watsonville..... | 75 |
| Hair book..... | N. Dutot, Watsonville..... | 1 00 |
| Birds' eggs..... | V. Roache, Watsonville..... | 1 00 |
| Pincushion..... | May Wood, Watsonville..... | 1 00 |
| Oil painting, marine view..... | L. Hansen, Watsonville..... | 1 00 |
| Hand-made tidy..... | Annie Kelly, Watsonville..... | 75 |
| Black silk apron..... | Annie Kelly, Watsonville..... | 1 00 |
| Oil painting, landscape..... | Nettie Lane, Watsonville..... | 1 00 |
| Oil painting, fruit..... | Nettie Lane, Watsonville..... | 1 00 |
| Oil painting, screen..... | Lottie Lane, Watsonville..... | 1 00 |
| Oil painting, landscape..... | Lottie Lane, Watsonville..... | 75 |
| Kensington work..... | M. Anderson, Watsonville..... | 1 00 |
| Kensington work bag..... | M. Anderson, Watsonville..... | 1 00 |
| Bracket carving..... | J. Alexander, Watsonville..... | 1 00 |
| Crayon drawing..... | L. Chapman, Watsonville..... | 1 00 |
| Drawing..... | L. Chapman, Watsonville..... | 75 |
| Cotton embroidery..... | E. Chapman, Watsonville..... | 1 00 |
| Kensington on plush..... | L. Johnson, Watsonville..... | 75 |
| Plush table scarf..... | M. Hudson, Watsonville..... | 1 00 |
| Hand-painted table scarf..... | M. Hudson, Watsonville..... | 1 00 |
| Basket of paper flowers..... | Annie Kelly, Watsonville..... | 1 00 |
| Paper..... | Annie Kelly, Watsonville..... | 75 |
| Pastry, three kinds..... | Nellie Atteridge, Watsonville..... | 75 |
| Oil painting, flowers..... | Minnie Hudson, Watsonville..... | 75 |
| Hand-worked pincushion..... | Minnie Hudson, Watsonville..... | 1 00 |

LADIES' EQUESTRIAN TOURNAMENT.

| Premium. | Name of Rider. | Award. |
|-------------------|-----------------------------------|--------|
| First prize..... | Carrie Linscott, Watsonville..... | \$5 00 |
| Second prize..... | T. Mendis, Watsonville..... | 2 50 |

TRANSACTIONS

OF THE

TWENTY-SEVENTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the County of Shasta.

OFFICERS OF THE ASSOCIATION.

| | |
|-----------------------|------------|
| A. C. BRIGMAN..... | President. |
| GEO. W. GILBERT..... | Secretary. |
| FRED. GROTEFEND | Treasurer. |

DIRECTORS.

| | |
|------------------------|------------|
| H. F. ROSS | Millville |
| C. J. BECKER | Cottonwood |
| T. W. H. SHANAHAN..... | Anderson |
| H. CLINESCHMIDT..... | Redding |
| D. C. CHAMBERS..... | Redding |
| J. E. REYNOLDS..... | Redding |
| A. C. BRIGMAN..... | Redding |
| J. R. HOLT | Redding |

REPORT.

REDDING, September 24, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Twenty-seventh District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

GEO. W. GILBERT,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|--|----------|-------------------|
| One hundred and eighteen season tickets at \$2 | \$236 00 | |
| Three hundred and twenty-two single admissions at 50 cents | 181 00 | |
| Forty-seven single admissions at 25 cents | 11 75 | |
| | | \$408 75 |
| Balance | | 2,250 53 |
| | | <u>\$2,659 28</u> |

Expenditures.

| | | |
|---|----------|-------------------|
| Advertising in seven Shasta County papers | \$105 00 | |
| F. M. Swasey, job printing, etc. | 111 00 | |
| A. S. House, drayage | 11 00 | |
| J. V. Covell, labor | 21 50 | |
| John Ritche, labor | 18 00 | |
| S. A. J. Eckles, door tender | 20 00 | |
| Mrs. Ashfield, labor | 2 00 | |
| E. H. Powell, hauling sawdust and sand | 5 00 | |
| Mrs. Kinney, labor | 7 00 | |
| Jos. Bailey, drayage | 2 75 | |
| Redding Gas Company, gas light | 8 75 | |
| C. K. McElwee & Co., sundries | 5 00 | |
| D. R. McConnell, drayage | 9 00 | |
| Joe I. Honn, Manager | 50 75 | |
| E. W. Kenney, ice | 7 58 | |
| Geo. Bell, labor | 1 00 | |
| Mrs. F. M. Swasey, Assistant Secretary | 21 00 | |
| S. H. Sheets, labor | 24 00 | |
| M. L. Merrill, watchman, etc. | 30 50 | |
| James Coulter, bill posting | 3 92 | |
| Chambers & Campbell, hardware | 11 20 | |
| McCormick-Saeltzer Company, sundries | 43 57 | |
| W. H. Meyers, ticket seller | 18 00 | |
| Shasta Lumber Company, lumber | 36 28 | |
| Redding Electric Light Company, light | 50 00 | |
| Redding Water Company, water | 15 00 | |
| Redding Orchestra, music | 145 00 | |
| Armory Hall Association, rent | 100 00 | |
| Incidental expenses | 100 00 | |
| Secretary's fees | 150 00 | |
| | | \$1,124 78 |
| Total premiums awarded | | 1,534 50 |
| | | <u>\$2,659 28</u> |

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|----------------------------------|---------|
| CLASS II—GRADED HORSES—STALLIONS. | | |
| Knight, four years old..... | W. H. Kenyon, Buckeye..... | \$15 00 |
| Capt. S, two years old..... | C. H. Sikes, Redding..... | 10 00 |
| MARES. | | |
| Dollie, eight years old..... | J. P. Beard, Buckeye..... | 15 00 |
| CLASS III—HORSES OF ALL WORK—STALLIONS. | | |
| R. D. Nizbell, five years old..... | J. A. Wiley, Redding..... | 15 00 |
| Topgallant, five years old..... | A. Dutton, Redding..... | 7 50 |
| MARES. | | |
| Kitty, three years old..... | Mrs. B. Oliver, Redding..... | 10 00 |
| CLASS IV—DRAFT HORSES. | | |
| Prince, stallion, five years old..... | A. Dutton, Redding..... | 15 00 |
| Billy, stallion, two years old..... | Thomas Mullen, Redding..... | 10 00 |
| Pair draft horses..... | Holt & Gregg, Redding..... | 10 00 |
| CLASS V—ROADSTERS. | | |
| Charley, gelding..... | Holt & Gregg, Redding..... | 10 00 |
| Zephyr, mare, six years old..... | M. T. Kite, Redding..... | 10 00 |
| CLASS VII—ROADSTER TEAMS. | | |
| Frank and Ed..... | E. D. Traver, Redding..... | 10 00 |
| CLASS VIII—SADDLE HORSES. | | |
| Ben..... | Mrs. B. Oliver, Redding..... | 5 00 |
| CLASS IX—COLTS. | | |
| Yearling horse colt..... | E. D. Traver, Redding..... | 5 00 |
| Yearling mare colt..... | Thomas Mullen, Redding..... | 5 00 |
| Suckling mare colt..... | J. P. Beard, Buckeye..... | 5 00 |
| CLASS X—JACKS, JENNIES, AND MULES. | | |
| Jack, four years old..... | T. P. Wallace..... | 10 00 |
| Jack, one year old..... | William Yank, Redding..... | 5 00 |
| Jenny..... | R. Gilbert, Redding..... | 5 00 |
| Span mules..... | C. H. Sikes, Redding..... | 5 00 |
| Span draft mules..... | C. H. Sikes, Redding..... | 10 00 |
| CLASS XII—JERSEY CATTLE. | | |
| Ida G, five years old..... | S. J. R. Gilbert, Redding..... | 10 00 |
| Jersey Belle, three years old..... | M. T. Kite, Redding..... | 7 50 |
| CLASS XVIII—GRADED CATTLE. | | |
| Hattie..... | Mrs. H. F. Johnson, Redding..... | 7 50 |
| Sarah, two years old..... | Mrs. B. Oliver, Redding..... | 5 00 |
| Belle, one year old..... | E. D. Traver, Redding..... | 3 00 |
| Maggie, calf..... | Mrs. B. Oliver, Redding..... | 2 00 |
| POULTRY. | | |
| Three Light Brahmas..... | John White, Redding..... | 3 00 |
| Three Buff Cochins..... | John White, Redding..... | 3 00 |
| Three White Leghorns..... | E. D. Traver, Redding..... | 3 00 |
| Three Brown Leghorns..... | M. T. Kite, Redding..... | 3 00 |
| Three Silver-spangled fowls..... | Thomas Mullen, Redding..... | 3 00 |
| Three White-gray China geese..... | Mrs. B. Oliver, Redding..... | 3 00 |
| Three Pekin ducks..... | Mrs. B. Oliver, Redding..... | 2 00 |
| Three Rouen ducks..... | Dr. J. H. Miller, Redding..... | 2 00 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|---------|
| CLASS I—WHEAT. | | |
| Best exhibit of wheat..... | Mrs. R. A. Myers, Millville..... | \$10 00 |
| Best half bushel Proper wheat..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best half bushel Chile wheat..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best half bushel Hardy wheat..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best half bushel Club wheat..... | L. Schneider, Redding..... | 2 00 |
| Best sheaf Proper wheat..... | E. D. Traver, Redding..... | 2 00 |
| Best sheaf Egyptian wheat..... | Sol. Hufford, Millville..... | 2 00 |
| Best sheaf Club wheat..... | L. Schneider, Redding..... | 2 00 |
| Best sheaf White Australian wheat..... | L. Schneider, Redding..... | 2 00 |
| Best sheaf Hardy wheat..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best sheaf Chile wheat..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best sheaf Michigan Bronze wheat..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| CLASS II—GRAIN AND SEEDS. | | |
| Best exhibit of grain and seeds..... | Mrs. R. A. Myers, Millville..... | 10 00 |
| Best half bushel bearded barley..... | Wm. Hawes, Redding..... | 2 00 |
| Best half bushel Washbury barley..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best half bushel Giant Side barley..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best half bushel Flower corn..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best half bushel white oats..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best half bushel Oregon white oats..... | L. Schneider, Redding..... | 2 00 |
| Best half bushel yellow shell corn..... | Wm. Hawes, Redding..... | 2 00 |
| Best half bushel white shell corn..... | Wm. Hawes, Redding..... | 2 00 |
| Best half bushel rye..... | Wm. Hawes, Redding..... | 2 00 |
| Best quarter bushel timothy seed..... | Sol. Hufford, Millville..... | 2 00 |
| Best quarter bushel alfalfa seed..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best quarter bushel broomcorn seed..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best quarter bushel millet seed..... | Wm. Hawes, Redding..... | 2 00 |
| Best sheaf barley..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best sheaf Washbury barley..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best sheaf Giant Side barley..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best sheaf black oats..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best sheaf oats..... | L. Schneider, Redding..... | 2 00 |
| Best sheaf timothy..... | Sol. Hufford, Millville..... | 2 00 |
| Best sheaf red top..... | Sol. Hufford, Millville..... | 2 00 |
| Best sheaf millet..... | Sol. Hufford, Millville..... | 2 00 |
| Best sheaf field corn..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best sheaf flax..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best sheaf alfalfa..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best sheaf Egyptian corn..... | M. T. Kite, Redding..... | 2 00 |
| CLASS III—GENERAL FARM PRODUCTS. | | |
| Finest general display of farm products..... | Mrs. R. A. Myers, Millville..... | 100 00 |
| Second finest..... | Sol. Hufford, Millville..... | 75 00 |
| Third finest..... | Wm. Hawes, Redding..... | 50 00 |
| Fourth finest..... | F. W. Fish & Sons, Stillwater..... | 30 00 |
| Fifth finest..... | W. B. Campbell, Baird..... | 20 00 |
| CLASS IV—TOBACCO, HOPS, ETC. | | |
| Best exhibit of tobacco..... | W. B. Campbell, Baird..... | 1 50 |
| Best exhibit of hops..... | Wm. Hawes, Redding..... | 3 00 |
| Best exhibit of cut broomcorn..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best exhibit of Egyptian corn on stalk..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| CLASS V—VEGETABLES. | | |
| Finest general display of vegetables..... | John White, Redding..... | 10 00 |
| Finest quarter bushel red potatoes..... | John White, Redding..... | 1 00 |
| Finest quarter bushel white potatoes..... | W. B. Campbell, Baird..... | 1 00 |
| Finest quarter bushel Early Rose potatoes..... | R. M. Bates, Redding..... | 1 00 |
| Finest quarter bushel any other variety of potatoes..... | F. W. Fish & Sons, Stillwater..... | 1 00 |
| Finest quarter bushel sweet potatoes..... | Mrs. R. A. Myers, Millville..... | 1 00 |
| Greatest variety of potatoes..... | John White, Redding..... | 5 00 |
| Second greatest variety..... | W. B. Campbell, Baird..... | 2 50 |
| Best peck red onions..... | R. M. Bates, Redding..... | 50 |
| Best peck white onions..... | F. W. Fish & Sons, Stillwater..... | 50 |
| Best peck yellow onions..... | F. W. Fish & Sons, Stillwater..... | 50 |
| Best peck tomatoes..... | Wm. Hawes, Redding..... | 50 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award |
|---|------------------------------------|--------|
| Best peck peppers for pickling..... | Wm. Hawes, Redding..... | \$0 50 |
| Best dozen sweet corn (green)..... | W. B. Campbell, Baird..... | 50 |
| Best dozen yellow corn (green)..... | Thomas Mullen, Redding..... | 50 |
| Best dozen white corn (green)..... | Mrs. R. A. Myers, Millville..... | 50 |
| Best two heads drum-head cabbage..... | John White, Redding..... | 50 |
| Best two heads red Dutch cabbage..... | Mrs. R. A. Myers, Millville..... | 50 |
| Best two heads of any other good variety..... | Wm. Hawes, Redding..... | 50 |
| Best two marrow squash..... | W. B. Campbell, Baird..... | 50 |
| Best two Hubbard squash..... | Sol. Hufford, Millville..... | 50 |
| Best two crookneck squash..... | Sol. Hufford, Millville..... | 50 |
| Best two of any other variety of squash..... | Mrs. R. A. Myers, Millville..... | 50 |
| Best six cucumbers..... | John White, Redding..... | 50 |
| Best two watermelons..... | Sol. Hufford, Millville..... | 50 |
| Best two muskmelons..... | M. T. Kite, Redding..... | 50 |
| Best two cantaloupe melons..... | John White, Redding..... | 50 |
| Best two melons of any other variety..... | W. B. Campbell, Redding..... | 50 |
| Best general display of melons..... | M. T. Kite, Redding..... | 3 00 |
| Second best..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Best three specimens green beans..... | John White, Redding..... | 50 |
| Best bunch six carrots..... | R. M. Bates, Redding..... | 50 |
| Best bunch six blood beets..... | John White, Redding..... | 50 |
| Best bunch six sugar beets..... | Wm. Hawes, Redding..... | 50 |
| Best bunch six turnips..... | Wm. Falke, Redding..... | 50 |
| Best three purple eggplants..... | John White, Redding..... | 50 |
| Largest pumpkin..... | Fritz Klukkert, Anderson..... | 50 |
| Best half peck lima beans..... | Sol. Hufford, Millville..... | 50 |
| Best half peck wax beans..... | Thos. Mullen, Redding..... | 50 |
| Best half peck white pea beans..... | Mrs. R. A. Myers, Millville..... | 50 |
| Best half peck Ohio white beans..... | Thos. Mullen, Redding..... | 50 |
| Best half peck kidney beans..... | Thos. Mullen, Redding..... | 50 |
| Best half peck Chile beans..... | Mrs. R. A. Myers, Millville..... | 50 |
| Best half peck field peas..... | Mrs. R. A. Myers, Millville..... | 50 |
| Best half peck garden or sweet peas..... | F. W. Fish & Sons, Stillwater..... | 50 |
| Best six varieties fresh garden seed..... | F. W. Fish & Sons, Stillwater..... | 50 |
| Best six varieties flower seed..... | F. W. Fish & Sons, Stillwater..... | 50 |
| CLASS VI—HAM, BACON, ETC. | | |
| Best exhibit of hams..... | Mrs. R. A. Myers, Millville..... | 3 00 |
| Second best..... | Wm. Hawes, Redding..... | 2 00 |
| Best exhibit of bacon..... | Wm. Hawes, Redding..... | 3 00 |
| Second best..... | Wm. Falke, Redding..... | 2 00 |
| Best exhibit of lard..... | Wm. Hawes, Redding..... | 2 00 |
| Second best..... | Mrs. R. A. Myers, Millville..... | 1 00 |
| CLASS VII—WOOL. | | |
| Best four specimens wool..... | Wm. Hawes, Redding..... | 3 00 |
| CLASS VIII—BUTTER AND CHEESE. | | |
| Best display of roll butter..... | M. T. Kite, Redding..... | 5 00 |
| Best display of crock butter..... | M. T. Kite, Redding..... | 3 00 |
| CLASS IX—GREEN FRUITS. | | |
| Best general display of green fruits..... | F. W. Fish & Sons, Stillwater..... | 20 00 |
| Second best..... | Sol. Hufford, Millville..... | 15 00 |
| Third best..... | Mrs. R. A. Myers, Millville..... | 10 00 |
| Best six varieties apples..... | F. W. Fish & Sons, Stillwater..... | 7 50 |
| Second best..... | Sol. Hufford, Millville..... | 5 00 |
| Third best..... | Mrs. R. A. Myers, Millville..... | 2 50 |
| Best three varieties pears..... | F. W. Fish & Sons, Stillwater..... | 5 00 |
| Second best..... | Sol. Hufford, Millville..... | 3 00 |
| Third best..... | Fritz Klukkert, Anderson..... | 2 00 |
| Best six varieties peaches..... | M. T. Kite, Redding..... | 7 50 |
| Second best..... | Henry Stocher, Redding..... | 5 00 |
| Third best..... | F. W. Fish & Sons, Stillwater..... | 2 50 |
| Greatest variety peaches..... | F. W. Fish & Sons, Stillwater..... | 3 00 |
| Second best..... | Mrs. R. A. Myers, Millville..... | 2 00 |
| Third best..... | Henry Stocher, Redding..... | 1 00 |
| Best display of plums..... | F. W. Fish & Sons, Stillwater..... | 3 00 |
| Third best..... | Wm. Falke, Redding..... | 1 00 |
| Best display of nectarines..... | Thos. Mullen, Redding..... | 3 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|-------------------------------------|--------|
| Best display of prunes | E. P. White, Redding | \$3 00 |
| Best display of quinces | Dr. J. H. Miller, Redding | 3 00 |
| Second best | Mrs. B. Oliver, Redding | 2 00 |
| Third best | F. W. Fish & Sons, Stillwater | 1 00 |
| Best exhibit of figs | F. W. Fish & Sons, Stillwater | 2 00 |
| Best exhibit of blackberries | Wm. Falke, Redding | 2 00 |
| Best exhibit of pomegranates | R. Bostwick, Redding | 2 00 |
| CLASS X—GRAPES, WINES, BRANDIES, ETC. | | |
| Best exhibit of grapes | F. W. Fish & Sons, Stillwater | 20 00 |
| Second best | L. Schneider, Redding | 10 00 |
| Third best | Sol. Hufford, Millville | 5 00 |
| Best exhibit of table grapes | L. Schneider, Redding | 10 00 |
| Second best | F. W. Fish & Sons, Stillwater | 5 00 |
| Third best | William Falke, Redding | 3 00 |
| Best exhibit of raisin grapes | F. W. Fish & Sons, Stillwater | 10 00 |
| Second best | L. Schneider, Redding | 5 00 |
| Best exhibit of wine grapes | F. W. Fish & Sons, Stillwater | 10 00 |
| Second best | L. Schneider, Redding | 5 00 |
| Best exhibit of seedless grapes | F. W. Fish & Sons, Stillwater | 5 00 |
| Second best | L. Schneider, Redding | 3 00 |
| Best single bunch of grapes | L. Schneider, Redding | 3 00 |
| Second best | F. W. Fish & Sons, Stillwater | 2 00 |
| Third best | Sol. Hufford, Millville | 1 00 |
| Best exhibit of wine | G. Loeffler, Redding | 15 00 |
| Second best | F. W. Fish & Sons, Stillwater | 10 00 |
| Best exhibit of brandy | G. Loeffler, Redding | 10 00 |
| CLASS XI—CANNED FRUITS. | | |
| Best display of fruit in glass | Mrs. E. P. White, Redding | 10 00 |
| Second best | Mrs. Nora Ashfield, Redding | 7 50 |
| Third best | Mrs. R. A. Myers, Millville | 5 00 |
| Best display of preserves in glass | F. W. Fish & Sons, Stillwater | 3 00 |
| Second best | Mrs. L. Schneider, Redding | 2 00 |
| Third best | Mrs. B. Oliver, Redding | 1 00 |
| Best display of jams in glass | Mrs. R. M. Bates, Redding | 3 00 |
| Second best | Mrs. W. D. Biegler, Redding | 2 00 |
| Third best | Mrs. Nora Ashfield, Redding | 1 00 |
| Best display of jellies in glass | Mrs. Nora Ashfield, Redding | 3 00 |
| Second best | Mrs. R. M. Bates, Redding | 2 00 |
| Third best | Mrs. E. P. White, Redding | 1 00 |
| Best display of sour pickles in glass | Mrs. L. Schneider, Redding | 3 00 |
| Second best | Mrs. R. A. Myers, Millville | 2 00 |
| Third best | F. W. Fish & Sons, Stillwater | 1 00 |
| Best display of sweet pickles in glass | Mrs. L. Schneider, Redding | 3 00 |
| Second best | Mrs. Nora Ashfield, Redding | 2 00 |
| Third best | Mrs. E. P. White, Redding | 1 00 |
| Best display of mango pickles | Mrs. L. Schneider, Redding | 3 00 |
| Second best | Mrs. R. A. Myers, Millville | 2 00 |
| Third best | Mrs. Nora Ashfield, Redding | 1 00 |
| Best display of honey in comb | R. Bostwick, Redding | 3 00 |
| CLASS XII—DRIED FRUITS AND BERRIES. | | |
| Best display of raisins | F. W. Fish & Sons, Stillwater | 10 00 |
| Second best | Mrs. R. A. Myers, Millville | 5 00 |
| Third best | Sol. Hufford, Millville | 3 00 |
| Best display of dried fruits | F. W. Fish & Sons, Stillwater | 10 00 |
| Second best | E. P. White, Redding | 5 00 |
| Third best | Mrs. R. A. Myers, Millville | 3 00 |
| Best ten pounds dried apples | F. W. Fish & Sons, Stillwater | 3 00 |
| Second best | Mrs. R. A. Myers, Millville | 2 00 |
| Third best | William Falke, Redding | 1 00 |
| Best ten pounds dried peaches | F. W. Fish & Sons, Stillwater | 3 00 |
| Second best | E. P. White, Redding | 2 00 |
| Third best | Mrs. R. A. Myers, Millville | 1 00 |
| Best ten pounds dried plums | F. W. Fish & Sons, Stillwater | 3 00 |
| Second best | William Falke, Redding | 2 00 |
| Third best | Sol. Hufford, Millville | 1 00 |
| Best ten pounds dried prunes | E. P. White, Redding | 3 00 |
| Second best | F. W. Fish & Sons, Stillwater | 2 00 |

SECOND DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|-------------------------------------|--------|
| Third best dried prunes | William Falke, Redding | \$1 00 |
| Best ten pounds dried apricots | Sol. Hufford, Millville | 3 00 |
| Second best | F. W. Fish & Sons, Stillwater | 2 00 |
| Best ten pounds dried nectarines | E. P. White, Redding | 3 00 |
| Second best | F. W. Fish & Sons, Stillwater | 2 00 |
| Best ten pounds dried figs | F. W. Fish & Sons, Stillwater | 3 00 |
| Best ten pounds dried pears | F. W. Fish & Sons, Stillwater | 3 00 |
| Second best | William Hawes, Redding | 2 00 |
| Third best | William Falke, Redding | 1 00 |
| Best fifty pounds dried blackberries | William Falke, Redding | 3 00 |
| Second best | John White, Redding | 2 00 |
| Third best | Sol. Hufford, Millville | 1 00 |
| Best five pounds dried grapes | F. W. Fish & Sons, Stillwater | 3 00 |
| Second best | Sol. Hufford, Millville | 2 00 |
| Third best | Wm. Falke, Redding | 1 00 |
| CLASS XIII—NUTS. | | |
| Best exhibit of nuts | Mrs. H. F. Johnson, Redding | 5 00 |
| Second best | F. W. Fish & Sons, Stillwater | 3 00 |
| Third best | Wm. Hawes, Redding | 2 00 |
| Best exhibit of soft-shell almonds | F. W. Fish & Sons, Stillwater | 3 00 |
| Second best | Mrs. H. F. Johnson, Redding | 2 00 |
| Third best | Wm. Hawes, Redding | 1 00 |
| Best exhibit of hard-shell almonds | F. W. Fish & Sons, Stillwater | 3 00 |
| Best exhibit of chestnuts | Mrs. H. F. Johnson, Redding | 3 00 |
| Second best | F. W. Fish & Sons, Stillwater | 2 00 |
| Best exhibit of peanuts | M. T. Kite, Redding | 3 00 |
| Second best | Mrs. R. A. Myers, Millville | 2 00 |
| Third best | Sol. Hufford, Millville | 1 00 |
| Best exhibit of English walnuts | Mrs. R. A. Myers, Millville | 3 00 |
| Second best | Wm. Hawes, Redding | 2 00 |
| Third best | Mrs. H. F. Johnson, Redding | 1 00 |

THIRD DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------------|--------|
| CLASS I—DOMESTIC FLOWERS AND PLANTS. | | |
| Best floral design | Mrs. Cal. Owens, Redding | \$5 00 |
| Best collection of flowers in bloom | Mrs. Cal. Owens, Redding | 5 00 |
| Second best | Mrs. Peter Glaszier, Redding | 2 00 |
| Best six varieties flowering plants | Mrs. Cal. Owens, Redding | 2 00 |
| Second best | Mrs. Peter Glaszier, Redding | 1 00 |
| Best six varieties ornamental flowers | Mrs. Cal. Owens, Redding | 2 00 |
| Second best | Mrs. Peter Glaszier, Redding | 1 00 |
| Best six varieties new and rare flowers | Mrs. Cal. Owens, Redding | 2 00 |
| Best display of cut flowers | Mrs. Cal. Owens, Redding | 2 00 |
| Best display of bouquets | Mrs. Cal. Owens, Redding | 2 00 |
| Best display of ornamental grasses | Mrs. F. M. Swasey, Redding | 2 00 |
| Second best | Mrs. Wm. McKean, Redding | 1 00 |
| Best collection of wild grasses | Miss Frankie Hufford, Millville | 1 00 |
| CLASS II—BREAD AND CEREAL FOOD. | | |
| Best display of domestic breads | Mrs. Thos. Houston, Redding | 3 00 |
| Best loaf domestic white bread | Mrs. Norah Ashfield, Redding | 1 00 |
| Best loaf domestic graham bread | Mrs. Thos. Houston, Redding | 1 00 |
| Best loaf domestic rye bread | Mrs. Thos. Houston, Redding | 1 00 |
| Best raised rolls | Mrs. Thos. Houston, Redding | 1 00 |
| Best yeast powder biscuit | Mrs. Thos. Houston, Redding | 1 00 |
| Best loaf pound cake | Mrs. Norah Ashfield, Redding | 1 00 |
| Best loaf fruit cake | Mrs. Norah Ashfield, Redding | 2 00 |
| Best loaf layer cake | Mrs. W. P. McKean, Redding | 1 00 |
| CLASS V—SHIRTS, UNDERWEAR, ETC. | | |
| Best suit underwear | Miss Meadie Johnson, Redding | 2 00 |
| Best made dress for child | Mrs. Anna Parker, Redding | 2 00 |

THIRD DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|--------|
| Best made dressing gown | Sol. Hufford, Millville | \$2 00 |
| Best crazy patchwork quilt | Miss Kittie Leightner, Redding | 5 00 |
| Best silk quilt | Mrs. W. N. Haskins, Redding | 3 00 |
| Best patchwork quilt | Mrs. J. M. Holt, Redding | 3 00 |
| Best made lounge cover | Miss Lizzie Litsch, Redding | 2 00 |
| Best pair pillow shams | Mrs. W. N. Haskins, Redding | 2 00 |
| Best pair lace pillow shams | Mrs. N. Breslauer, Redding | 1 00 |
| Best rug made from rags | Mrs. H. Clineschmidt, Redding | 2 00 |
| Best ten yards rag carpet | Miss Nonie Ashfield, Redding | 3 00 |
| CLASS VI—EMBROIDERY. | | |
| Best and largest collection of embroidery | Mrs. C. McConnell, Redding | 5 00 |
| Best chenille and arrasene embroidery | Mrs. C. McConnell, Redding | 2 00 |
| Best Spanish drawn work | Miss Lizzie Litsch, Redding | 2 00 |
| Best Roman embroidery | Mrs. W. D. Biegle, Redding | 2 00 |
| Best handkerchief case | Mrs. F. W. Fish, Redding | 1 00 |
| Best embroidered piano cover | Mrs. W. P. McKean, Redding | 2 00 |
| Best embroidered table cover, four ends | Miss Eda Bush, Redding | 3 00 |
| Best set toilet mats | Mrs. W. N. Haskins, Redding | 1 00 |
| Best ottoman cover | Mrs. Wm. Andrews, Redding | 1 00 |
| Best embroidery in rope silk | Miss Eda Bush, Redding | 2 00 |
| Best kensington, with crewel | Mrs. A. W. Chappell, Redding | 2 00 |
| CLASS VII—NEEDLE AND FANCY WORK. | | |
| Best and largest exhibit of needle and fancy work | Mrs. H. Clineschmidt, Redding | 3 00 |
| Best knit slippers | Miss Minnie White, Redding | 1 00 |
| Best rickrack work | Mrs. H. Clineschmidt, Redding | 1 00 |
| Best fancy drape silk | Miss Lizzie Litsch, Redding | 1 00 |
| Best lace drape | Miss Minnie White, Redding | 1 00 |
| Best child's afghan | Mrs. F. W. Fish, Redding | 1 00 |
| Best afghan | Mrs. Anna Parker, Redding | 3 00 |
| Best carriage robe | Mrs. Wm. Andrews, Redding | 2 00 |
| Best silk pincushion | Mrs. Wm. Andrews, Redding | 2 00 |
| Best embroidered pincushion | Mrs. W. N. Haskins, Redding | 1 00 |
| Best outline work | Miss Sophie Schneider, Redding | 1 00 |
| Best knit bedspread | Mrs. A. M. Williams, Redding | 2 00 |
| Best crochet bedspread | Miss Lizzie Klemmer, Redding | 2 00 |
| Best knit lace | Mrs. W. McKean, Redding | 1 00 |
| Best crochet lace | Mrs. W. N. Haskins, Redding | 1 00 |
| Best crochet work, cotton | Miss Lena Yank, Redding | 1 00 |
| Best knit stockings | Miss Stella Breslauer, Redding | 1 00 |
| Best knit mits, woolen | Mrs. L. Schneider, Redding | 1 00 |
| Best crochet shawl | Mrs. J. Bean, Redding | 1 00 |
| Best crochet cape | Mrs. H. Clineschmidt, Redding | 1 00 |
| Best crochet skirt | Mrs. H. Clineschmidt, Redding | 1 00 |
| Best knotted spread | Mrs. J. Holt, Redding | 2 00 |
| Best crochet cotton tidy | Mrs. H. Clineschmidt, Redding | 1 00 |
| Best sofa cushion, silk | Mrs. W. McKean, Redding | 1 00 |
| Best sofa cushion, embroidered | Mrs. A. W. Chappell, Redding | 1 00 |
| Best sofa pillow | Mrs. L. Schneider, Redding | 1 00 |
| CLASS VIII—MISCELLANEOUS FANCY WORK. | | |
| Best painted sachet | Miss Ida Piatt, Stillwater | 1 00 |
| Best table scarf, painted | Miss Ida Piatt, Stillwater | 1 00 |
| Best painted drape | Miss Ida Piatt, Stillwater | 1 00 |
| Best luster painting | Miss Ida Piatt, Stillwater | 1 00 |
| Best surface plush painting | Miss Ida Piatt, Stillwater | 1 00 |
| Best kensington painting | Mrs. W. N. Haskins, Redding | 1 00 |
| Best painting on ivory | Miss Ida Piatt, Stillwater | 2 00 |
| Best porcelain painting | Miss Ida Piatt, Stillwater | 3 00 |
| Best hammered brass | Chambers & Co., Redding | 2 00 |
| Best wood carving | Mrs. Thos. Houston, Redding | 2 00 |

FOURTH DEPARTMENT—(JUVENILE).

| Exhibit. | Exhibitor. | Award. |
|--|--------------------------------------|--------|
| CLASS I. | | |
| Best hand sewing | Miss Alice Swasey, Redding | \$2 00 |
| Best worsted crochet tidy | Miss Maggie Oliver, Redding | 1 00 |
| Best crochet lace | Miss Nonie Ashfield, Redding | 1 00 |
| Best crayon drawing | Miss Ore Chenoweth, Redding | 1 00 |
| Best pencil drawing | Miss Ore Chenoweth, Redding | 1 00 |
| Best collection of card pictures | Miss Josie Leightner, Redding | 2 00 |
| Best outline work | Miss Isabel Ashfield, Redding | 1 00 |
| Best fancy drapery | Miss Lulu Swasey, Redding | 1 00 |
| Best collection of birds' eggs | Master Eddie Reid, Redding | 1 00 |
| Best worsted crochet | Miss Mary Hoff, Redding | 50 |
| Best darned net work | Miss Mary Hoff, Redding | 50 |
| Best sofa pillow | Miss Mary Hoff, Redding | 50 |
| Best knit lace | Miss Nonie Ashfield, Redding | 50 |
| Best chenille work | Miss Stella Breslau, Redding | 50 |
| Best kensington work | Miss Stella Breslau, Redding | 50 |
| Best toilet set | Miss W. G. Dozier, Redding | 50 |
| Best tinsel embroidery | Miss Bertha Herron, Redding | 1 00 |
| Best crochet cape | Miss Sarah Oliver, Redding | 50 |
| CLASS II—BREAD, PASTRY, ETC. | | |
| Best loaf white bread | Miss Sarah Oliver, Redding | 1 00 |
| Best yeast powder biscuit | Miss Sarah Oliver, Redding | 1 00 |
| Best plain cake | Miss Nonie Ashfield, Redding | 1 00 |
| Second best | Miss Sarah Oliver, Redding | 50 |
| Best layer cake | Miss Nonie Ashfield, Redding | 1 00 |
| Second best | Miss Alma Jewett, Redding | 50 |
| CLASS III—DRESSES. | | |
| Best calico dress | Miss Dora Watkins, Redding | 5 00 |
| Second best | Miss Effie McConnell, Redding | 4 00 |
| Third best | Miss Alma Jewett, Redding | 3 00 |
| Best gingham dress | Miss Marian Derby, Redding | 5 00 |
| Second best | Miss Florence Watkins, Redding | 4 00 |
| Third best | Miss Mamie Wilson, Redding | 3 00 |
| Fourth best | Miss Isabel Ashfield, Redding | 2 00 |
| Fifth best | Miss Olio Bemis, Redding | 1 00 |

FIFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-------------------------------------|--------|
| CLASS II—PAINTINGS. | | |
| Best painting on canvas | Miss Ida Piatt, Stillwater | \$3 00 |
| Best portrait painting | Miss Ida Piatt, Stillwater | 3 00 |
| Best crayon work | Miss Ida Piatt, Stillwater | 2 00 |
| Best paintings, any kind | Miss Emma Litsch, Redding | 5 00 |
| CLASS IV—MISCELLANEOUS ARTICLES. | | |
| Best specimen job work | George A. Poor, Redding | 3 00 |
| Best two samples book printing | George A. Poor, Redding | 3 00 |
| Best ten samples card printing | George A. Poor, Redding | 2 00 |
| Best wash for scale insects | Mrs. R. A. Myers, Redding | 3 00 |
| NOVELTIES. | | |
| Best confectionery | Mrs. A. W. Chappell, Redding | 5 00 |
| Baby show | Mrs. J. Holt, Redding | 5 00 |
| First prize in a buttonhole contest | Miss Marian Derby, Redding | 2 00 |
| Second prize | Miss Jennie Chappell, Redding | 1 00 |
| Third prize | Miss Laura White, Redding | 50 |
| First prize in a machine contest | Miss Mamie Kinkade, Redding | 3 00 |
| Second prize | Miss Lulu Swasey, Redding | 2 00 |
| Third prize | Miss Eva McConnell, Redding | 1 00 |
| First prize in a pumpkin pie contest | Mrs. C. C. Bush, Redding | 1 50 |

SIXTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------------|---------------------------------|--------|
| CLASS I—AGRICULTURAL MACHINES, ETC. | | |
| Best farm gate | George Schneider, Redding | \$5 00 |
| Best fruit gatherer | George Schneider, Redding | 3 00 |
| Best beehive without bees | R. Bostwick, Redding | 3 00 |

SEVENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|--------|
| CLASS I—FURNITURE. | | |
| Best display of furniture | John Main, Redding | \$5 00 |
| Best office chair | John Main, Redding | 1 00 |
| CLASSES II AND IV—CUTLERY. | | |
| Best display of table cutlery | Chambers & Campbell, Redding .. | 2 00 |
| Best display of pocket cutlery | Chambers & Campbell, Redding .. | 2 00 |
| Best display of pruning shears and knife | Chambers & Campbell, Redding .. | 2 00 |
| Best specimen of granite work | Chambers & Campbell, Redding .. | 3 00 |
| CLASS V—HARNESS, SADDLES, ETC. | | |
| Best exhibit of harness and saddles | Thomas Houston, Redding | 5 00 |
| Best set double harness | Thomas Houston, Redding | 2 50 |
| Best set single buggy harness | Thomas Houston, Redding | 2 00 |
| Best saddle | Thomas Houston, Redding | 2 00 |
| CLASS VIII—STOVES AND HARDWARE. | | |
| Best marbled iron | Chambers & Campbell, Redding .. | 1 00 |
| Best range for family use | Chambers & Campbell, Redding .. | 2 00 |
| Best display of general hardware | Chambers & Campbell, Redding .. | 2 00 |
| Best display of kitchen goods | Chambers & Campbell, Redding .. | 2 00 |
| Best cook stove | Chambers & Campbell, Redding .. | 2 00 |
| Best parlor stove | Chambers & Campbell, Redding .. | 1 50 |
| Best oil stove | Chambers & Campbell, Redding .. | 1 00 |
| CLASS IX—SPORTING INSTRUMENTS. | | |
| Best exhibit of sporting instruments | Chambers & Campbell, Redding .. | 2 00 |
| CLASSES XII, XIII, XV, AND XVI. | | |
| Best exhibit of soap | Mrs. William McKean, Redding .. | 2 00 |
| Best exhibit of soft soap | Mrs. William McKean, Redding .. | 1 00 |
| Best exhibit of hand-made soap | Mrs. William Andrews, Redding .. | 1 00 |
| Best exhibit of yeast powder | Mrs. R. A. Myers, Millville | 3 00 |
| Best block matches | Chambers & Campbell, Redding .. | 2 00 |
| Best exhibit of silverware | Chambers & Campbell, Redding .. | 3 00 |
| Best specimen of stuffed animal | Chambers & Campbell, Redding .. | 3 00 |
| CLASS XVII—CROCKERY, GLASSWARE, ETC. | | |
| Best set stained glassware | Chambers & Campbell, Redding .. | 2 00 |
| Best dozen glass fruit jars | Chambers & Campbell, Redding .. | 2 00 |
| Best dozen fruit jars other than glass | Chambers & Campbell, Redding .. | 2 00 |
| Best half dozen flower pots | Chambers & Campbell, Redding .. | 2 00 |
| Best half dozen lamps | Chambers & Campbell, Redding .. | 2 00 |
| Best churn for family use | Chambers & Campbell, Redding .. | 2 00 |
| Best door | Chambers & Campbell, Redding .. | 1 00 |
| Best screen door | Chambers & Campbell, Redding .. | 1 00 |
| Best window sash | Chambers & Campbell, Redding .. | 1 00 |
| Best window blind | Chambers & Campbell, Redding .. | 1 00 |
| Best molding | Chambers & Campbell, Redding .. | 1 00 |

EIGHTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------|---------|
| MINERALS. | | |
| Best display of gold ore..... | James E. Bell, Shasta..... | \$20 00 |
| Best display of silver ore..... | James E. Bell, Shasta..... | 20 00 |
| Best display of mineral ore..... | James E. Bell, Shasta..... | 30 00 |
| Best display of ore from any one mine..... | James E. Bell, Shasta..... | 20 00 |

TRANSACTIONS

OF THE

TWENTY-EIGHTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the County of San Bernardino.

OFFICERS OF THE ASSOCIATION.

| | |
|-----------------------------|------------|
| L. M. HOLT | President. |
| N. DAVENPORT | Secretary. |
| FARMERS EXCHANGE BANK | Treasurer. |

DIRECTORS.

| | |
|-------------------------|------------------|
| L. M. HOLT | San Bernardino. |
| COL. W. R. TOLLES | San Bernardino. |
| A. B. MINER | |
| RICHARD GIRD | Chino. |
| GEORGE L. JOY | South Riverside. |
| I. N. HOAG | Redlands. |
| JOHN A. COLE | |
| P. K. KLINEFELTER | Riverside. |

REPORT.

MARCH 14, 1892.

To the honorable the State Board of Agriculture:

GENTLEMEN: Our Third Annual Fair came to a successful termination on February 26th.

The exhibition of stock, goods, fruit, etc., was held at Colton, February 22-26, 1892.

The races were held at San Bernardino, October 29-31, 1891.

N. DAVENPORT,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|--|------------|------------|
| Tickets sold at Pavilion | \$1,491 50 | |
| Tickets sold by Motor Railroad Company | 464 30 | |
| State appropriation | 2,250 00 | |
| | | \$4,206 80 |

Expenditures.

| | | |
|---|----------|----------|
| Balance due on expense of last year | \$10 65 | |
| Premium list paid, 1892 | 1,688 00 | |
| Rent and expenses | 2,454 11 | |
| | | 4,152 76 |
| Balance | | \$78 04 |

PREMIUMS AWARDED.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------|----------|
| CLASS I—ORANGES. | | |
| Best display of oranges grown by one person | A. B. Miner | \$100 00 |
| Second best | W. H. Randall | 90 00 |
| Third best | J. W. Roberts | 80 00 |
| Fourth best | A. S. Fox | 70 00 |
| Fifth best | H. A. Puls | 60 00 |
| Sixth best | S. B. Fox | 50 00 |
| Seventh best | Jas. Barnhill | 40 00 |
| Best one hundred Washington Navel oranges by grower | F. P. Morrison | 20 00 |
| Second best | G. H. Lea | 15 00 |
| Third best | H. Liena | 10 00 |
| Fourth best | J. W. Roberts | 5 00 |
| Best one hundred Mediterranean Sweet oranges by grower | J. W. Roberts | 10 00 |
| Second best | C. H. Hubbard | 7 50 |
| Third best | Jacobs & Waite | 5 00 |
| Fourth best | W. R. Ingham | 2 50 |
| Best one hundred St. Michael oranges by grower | Jas. Barnhill | 10 00 |
| Second best | Mrs. W. A. Fox | 7 50 |
| Third best | Geo. Duncan | 5 00 |
| Fourth best | J. W. Roberts | 2 50 |
| Best one hundred Malta Blood oranges by grower | Jacobs & Waite | 10 00 |
| Second best | Macdonald Bros. | 7 50 |
| Third best | F. P. Morrison | 5 00 |
| Fourth best | E. B. Cutts | 2 50 |
| Best one hundred oranges of any other budded variety | J. W. Roberts | 10 00 |
| Second best | A. B. Miner | 7 50 |
| Third best | M. Archibald | 5 00 |
| Fourth best | C. H. Hubbard | 2 50 |
| Best one hundred seedling oranges by grower | W. H. Randall | 10 00 |
| Second best | W. R. Ingham | 7 50 |
| Third best | Jacobs & Waite | 5 00 |
| Fourth best | A. B. Miner | 2 50 |
| Best box Washington Navel oranges by grower | E. F. Pierce | G. M. |
| Best display of oranges by packer | Fox Packing Company | Diploma. |
| CLASS II—LEMONS. | | |
| Best display of cured lemons grown by one person | G. W. Garcelon | \$50 00 |
| Second best | I. C. Wood | 25 00 |
| Third best | N. W. Godbold | 15 00 |
| Fourth best | L. J. & W. C. Fuller | 10 00 |
| Best display of uncured lemons grown by one person | C. Buffington | 25 00 |
| Second best | A. S. Fox | 12 50 |
| Fourth best | J. W. Roberts | 5 00 |
| Best display of limes by grower | Doran & Caldwell | Diploma. |
| CLASS III—GRAPES. | | |
| Best display of grape fruit by grower | D. C. Toogood | \$5 00 |
| Second best | James Barkhill | 2 50 |
| CLASS IV—OLIVES. | | |
| Best exhibit of pickled olives by grower | Mrs. G. W. Garcelon | 10 00 |

PREMIUMS AWARDED—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------------|----------|
| CLASS VII—RAISINS. | | |
| Best exhibit of raisins by grower or packer..... | Colton Packing Company..... | \$40 00 |
| Second best..... | W. H. Backus..... | 20 00 |
| Third best..... | G. N. Turner..... | 10 00 |
| CLASS VIII—DRIED FIGS. | | |
| Best exhibit of dried figs by grower..... | L. E. Walker..... | 10 00 |
| Second best..... | T. J. Mellen..... | 5 00 |
| CLASS IX—DRIED PEACHES. | | |
| Best exhibit of dried peeled peaches by grower or packer..... | A. H. Palmer & Son..... | 25 00 |
| Second best..... | R. F. Cunningham..... | 12 50 |
| Third best..... | T. J. Mellen..... | 5 00 |
| Best exhibit of dried unpeeled peaches by grower or packer..... | R. F. Cunningham..... | 25 00 |
| Second best..... | A. H. Palmer..... | 12 50 |
| Third best..... | T. J. Mellen..... | 5 00 |
| CLASS X—DRIED APRICOTS. | | |
| Best exhibit of dried apricots by grower or packer..... | T. J. Mellen..... | 25 00 |
| Second best..... | A. H. Palmer..... | 12 50 |
| Third best..... | J. F. Benner..... | 5 00 |
| CLASS XI—DRIED NECTARINES. | | |
| Best exhibit of dried nectarines by grower or packer..... | T. J. Mellen..... | 10 00 |
| Second best..... | R. F. Cunningham..... | 5 00 |
| CLASS XII—DRIED PRUNES. | | |
| Best exhibit of dried prunes by grower or packer..... | T. J. Mellen..... | 10 00 |
| Second best..... | A. H. Palmer & Son..... | 7 50 |
| Third best..... | R. F. Cunningham..... | 5 00 |
| CLASS XIII—DRIED PLUMS. | | |
| Best display of dried plums by grower..... | T. J. Mellen..... | Diploma. |
| Best display of pitted plums by grower..... | R. F. Cunningham..... | Diploma. |
| CLASS XIV—PEARS. | | |
| Best display of fresh pears by grower..... | T. J. Mellen..... | \$10 00 |
| Display of dried pears by grower..... | A. H. Palmer & Son..... | Diploma. |
| Display of dried pears by grower..... | R. F. Cunningham..... | Diploma. |
| Display of dried pears by grower..... | T. J. Mellen..... | Diploma. |
| CLASS XV—NUTS. | | |
| Best display of English walnuts by grower..... | T. J. Mellen..... | \$10 00 |
| Second best..... | Mrs. G. W. Garcelon..... | 5 00 |
| Best display of black walnuts by grower..... | T. J. Mellen..... | Diploma. |
| Best display of almonds by grower..... | Doran & Caldwell..... | \$5 00 |
| SPECIAL. | | |
| Display of fruit grown in the Rialto settlement..... | Rialto Horticultural Society..... | 10 00 |
| CLASS XVII—NURSERY STOCK. | | |
| Best display of nursery stock of citrus trees by grower..... | A. C. Fish..... | 10 00 |
| Second best..... | G. Wilson..... | 5 00 |
| Display of nursery stock..... | Hubbard & Welster..... | Sp. men. |
| Display of nursery stock..... | George L. Joy..... | Sp. men. |
| Display of nursery stock..... | E. B. Jordan..... | Sp. men. |
| CLASS XVIII—ORNAMENTAL SHRUBBERY. | | |
| Best display of ornamental shrubbery by grower..... | Morris & Wilsey..... | \$12 50 |
| Second best..... | Idlewild Nursery..... | 7 50 |

PREMIUMS AWARDED—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|------------------------------|----------|
| CLASS XIX—FLOWERS. | | |
| Best display of flowers in pots by grower..... | Arrowhead Nursery..... | \$15 00 |
| Best display of cut flowers by grower..... | A. K. Smiley..... | 15 00 |
| Display of flowers..... | Ladies' Booth of Colton..... | Diploma. |
| CLASS XX—PRESERVES AND JELLIES. | | |
| Best display of preserved fruits and jellies in glass, of not less than ten samples in one exhibit..... | Mrs. A. W. Cotterell..... | \$20 00 |
| Second best..... | Mrs. H. C. Rader..... | 15 00 |
| Third best..... | Mrs. G. H. Crafts..... | 15 00 |
| CLASS XXI—CRYSTALLIZED FRUITS. | | |
| Best display of crystallized fruits by manufacturer..... | A. H. Palmer..... | 25 00 |
| CLASS XXII—CANNED FRUITS. | | |
| Best display of canned fruits by packer..... | Colton Packing Company..... | 25 00 |
| CLASS XXIII—HONEY. | | |
| Best display of honey by producer..... | G. A. Ferguson..... | 20 00 |
| Second best..... | Isaiah Anderson..... | 10 00 |
| Third best..... | C. F. Jost..... | 5 00 |
| CLASS XXIV—PEANUTS. | | |
| Best display of peanuts by grower..... | F. M. Hubbard..... | 10 00 |
| Second best..... | G. M. Hubbard..... | 5 00 |
| CLASS XXV—MARBLE. | | |
| Best display of marble for building and ornamental purposes..... | W. L. Hubbard..... | 40 00 |
| Second best..... | J. E. Matot..... | Diploma. |
| CLASS XXVI—WINES AND BRANDIES. | | |
| Best display of wines and brandies by manufacturer..... | San Bernardino Winery..... | \$20 00 |
| Second best..... | A. Schimps..... | 10 00 |
| CLASS XXIX—BUTTER. | | |
| Best five rolls butter by manufacturer..... | William Singleton..... | 10 00 |
| CLASS XXXI—MINERALS. | | |
| Best collection of minerals from mines now being worked or developed in the county..... | J. C. King..... | 25 00 |
| Second best..... | N. Davenport..... | 12 50 |
| Third best..... | Geo. L. Joy..... | 5 00 |
| CLASS XXXII—HORSES. | | |
| Prince Inca, trotting stallion, four years old..... | J. B. Summons..... | Diploma. |
| Arthur McGregor, trotting stallion..... | Henry Keith..... | Diploma. |
| Sarah Benton, brood mare, five years old..... | M. A. Murphy..... | \$10 00 |
| Nellie Bly, filly..... | M. A. Murphy..... | Diploma. |
| Best pair draft horses..... | James Boyd..... | \$10 00 |
| Best pair carriage horses..... | A. S. Fox..... | Diploma. |
| CLASS XXXVI—POULTRY. | | |
| Barred Plymouth cockerel..... | S. Tyler..... | \$1 00 |
| Barred Plymouth pullet..... | S. Tyler..... | 1 00 |
| Barred Plymouth hen..... | S. Tyler..... | 1 00 |
| Barred Plymouth pullet..... | S. Tyler..... | Diploma. |
| Barred Plymouth cockerel..... | Sam Rolfe..... | Diploma. |
| Barred Plymouth hen..... | W. H. H. Jones..... | Diploma. |
| Barred Plymouth cock..... | A. Lewnin..... | Diploma. |
| Silver Wyandotte cock..... | W. G. Wright..... | \$1 00 |
| Silver Wyandotte cockerel..... | S. Tyler..... | 1 00 |
| Silver Wyandotte hen..... | S. Tyler..... | 1 00 |
| Silver Wyandotte pullet..... | S. Tyler..... | 1 00 |
| Silver Wyandotte hen..... | S. Tyler..... | Diploma. |
| Silver Wyandotte pullet..... | S. Tyler..... | Diploma. |

PREMIUMS AWARDED—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|------------------|----------|
| White Wyandotte cock | W. H. H. Jones | \$1 00 |
| White Wyandotte hen | W. H. H. Jones | 1 00 |
| White Wyandotte pullet | W. H. H. Jones | 1 00 |
| White Wyandotte hen | W. H. H. Jones | Diploma. |
| Wyandotte cockerel | S. Tyler | \$1 00 |
| Wyandotte hen | S. Tyler | 1 00 |
| Wyandotte hen | S. Tyler | Diploma. |
| Light Brahma cockerel | M. B. Terrace | \$1 00 |
| Light Brahma hen | M. B. Terrace | Diploma. |
| Light Brahma cockerel | A. L. Wright | Diploma. |
| Partridge Cochín cock | R. A. Condee | \$1 00 |
| Partridge Cochín hen | R. A. Condee | 1 00 |
| Partridge Cochín cock | R. A. Condee | Diploma. |
| Partridge Cochín hen | R. A. Condee | Diploma. |
| Buff Cochín pullet | Mrs. H. C. Rader | \$1 00 |
| Buff Cochín pullet | Mrs. H. C. Rader | Diploma. |
| Buff Cochín cockerel | Mrs. H. C. Rader | Diploma. |
| Buff Cochín hen | C. M. Heintz | Diploma. |
| White Leghorn pullet | W. H. H. Jones | \$1 00 |
| White Leghorn pullet | W. H. H. Jones | Diploma. |
| White Leghorn pullet | W. W. Thurston | \$1 00 |
| White Leghorn hen | Mrs. J. Walmsley | 1 00 |
| White Leghorn hen | Mrs. J. Walmsley | 1 00 |
| White Leghorn pullet | Mrs. J. Walmsley | Diploma. |
| Brown Leghorn cockerel | W. W. Thurston | \$1 00 |
| Brown Leghorn pullet | W. W. Thurston | 1 00 |
| Brown Leghorn cockerel | T. J. West | Diploma. |
| Brown Leghorn hen | T. J. West | Diploma. |
| Red Cap hen | C. M. Heintz | Diploma. |
| Buff Leghorn cock | E. C. Thurber | \$1 00 |
| Buff Leghorn pullet | E. C. Thurber | 1 00 |
| Buff Leghorn hen | E. C. Thurber | 1 00 |
| Black Spanish cockerel | S. Tyler | 1 00 |
| Black Spanish pullet | S. Tyler | 1 00 |
| White Guinea cock | C. H. Lindner | 1 00 |
| White Guinea hen | C. H. Lindner | 1 00 |
| White Guinea hen | H. C. Rolfe | Diploma. |
| White Guinea cock | H. C. Rolfe | Diploma. |
| Indian Game pullet | S. Tyler | \$1 00 |
| Indian Game cockerel | S. Tyler | Diploma. |
| Indian Game cock | E. C. Thurber | \$1 00 |
| Indian Game hen | E. C. Thurber | 1 00 |
| Indian Game cockerel | E. C. Thurber | 1 00 |
| Indian Game hen | E. C. Thurber | Diploma. |
| Indian Game pullet | E. C. Thurber | Diploma. |
| Pen of Indian Games | E. C. Thurber | \$1 00 |
| White Holland turkey gobbler | D. Hayes | 1 00 |
| White Holland turkey hen | D. Hayes | Diploma. |
| White Holland turkey hen | A. L. Wright | \$1 00 |
| White Holland turkey gobbler | A. L. Wright | Diploma. |
| Bronze turkey gobbler | C. A. Condee | \$1 00 |
| Pekin duck, drake | S. Tyler | 1 00 |
| Pekin duck, hen | S. Tyler | 1 00 |
| Toulouse gander | C. H. Lindner | 1 00 |
| Toulouse goose | C. H. Lindner | 1 00 |
| Largest display of poultry by any one exhibitor | S. Tyler | 10 00 |
| Second largest | W. H. H. Jones | 5 00 |
| PIGEONS. | | |
| Best pair Antwerps | S. Tyler | 1 00 |
| Best pair Carriers | S. Tyler | 1 00 |
| Best pair Fantails | S. Tyler | 1 00 |
| Best pair Jacobins | S. Tyler | 1 00 |
| Best display of pigeons by any one exhibitor of not less than three varieties | S. Tyler | 1 00 |

SPECIAL PREMIUMS.

| Exhibit. | Exhibitor. | Award. |
|----------------------------------|----------------------------|--------|
| LADIES' FANCY WORK. | | |
| Point lace | Mrs. E. J. Keating | \$2 50 |
| Duchess lace | Miss Josie Suman | 1 25 |
| Crochet work | Mrs. J. A. McDonald | 5 00 |
| Chenille embroidery | Mrs. U. Alguire | 2 50 |
| Silk embroidery | Miss S. J. Ingram | 2 00 |
| Drawn work | Mrs. Jo Hanna | 2 00 |
| Macrame work | Mrs. W. B. Whipple | 1 00 |
| Knitting | Mrs. L. V. Gillespie | 2 00 |
| Crazy quilt | Mrs. Kaiser | 5 00 |
| Quilted quilt | Mrs. S. B. Fox | 1 00 |
| Roman embroidery | Mrs. C. A. Weagant | 2 00 |
| Needle work and zephyr | Mrs. F. Shibley | 2 00 |
| Kindergarten work | Miss M. J. Lyman | 2 00 |
| Chain-stitch pillow case | Mrs. E. Sheldon | 1 00 |
| Patchwork quilt | Miss A. H. Barnes | 3 00 |
| PAINTINGS, DRAWINGS, ETC. | | |
| Painting on china | Mrs. M. A. Thompson | 5 00 |
| Flower and fruit painting | Albert Ames | 5 00 |
| Landscape painting | Mrs. F. E. Trumbower | 2 00 |
| Marine oil painting | Mrs. Smith Haile | 5 00 |
| Crayon painting | Mrs. F. E. Trumbower | 5 00 |
| Pastel painting | Mrs. J. N. Hanson | 3 00 |
| Steel pen work | Mrs. F. M. Bushnell | 3 00 |
| Shell work | Mrs. A. E. Porter | 4 25 |
| Painting in water colors | Mrs. M. A. Thompson | 4 00 |
| Pencil drawing | Mrs. L. V. Gillespie | 2 00 |
| Air brush painting | Miss K. Stewart | 2 00 |

BABY SHOW.

| Exhibit. | Name of Child. | Award. |
|---|----------------------------------|---------|
| For the best developed child that was exhibited at a former Twenty-eighth District Fair | Ellison Canterbury | \$20 00 |
| Second best | Bessie and James Mack | 10 00 |
| Third best | Amy Robb | 5 00 |
| Best twins | Harrison and Blaine Miller | 20 00 |
| Handsome baby | George Kinyon | 15 00 |
| Best baby | A. Bruce French | 10 00 |
| Smallest baby | Dove Rouse | 5 00 |

SPEED PROGRAMME.

THURSDAY, OCTOBER 29, 1891.

RACE No. 1—RUNNING.

Purse, \$50. Quarter of a mile.

| | |
|----------------------------------|---|
| Tom Carter's Rosie..... | 1 |
| J. C. Thorne's Trixy Thorne..... | 2 |
| J. McGarr's Stella..... | 3 |
| D. Hayes' Tom Poco..... | 4 |
| Wm. Rourke's Sam..... | 5 |
| Gus Hamstadt's Minnie B..... | 6 |

Time—0:24.

RACE No. 2—TROTTING.

Special Stallion Race. Purse, \$200. Mile heats, best three in five.

| | | | | | |
|---|---|---|---|---|---|
| J. C. Thorne's b. s. Bob Mason, Jr..... | 1 | 1 | 2 | 2 | 1 |
| D. G. Whiting's ch. s. Inca, Jr..... | 2 | 2 | 1 | 1 | 2 |

Time—2:32; 2:30; 2:29½; 2:32; 2:32.

RACE No. 3—TROTTING.

For roadsters. Purse, \$100. Mile heats, best three in five.

| | | | | |
|--|---|---|---|---|
| J. H. Kelley's blk. s. Smith's Inca..... | 1 | 1 | 2 | 1 |
| D. Dwyer's ch. g. Ben Harrison..... | 2 | 2 | 1 | 2 |

Time—2:51½; 2:51½; 2:56; 2:52.

FRIDAY, OCTOBER 30, 1891.

RACE No. 4—TROTTING.

2:25 Class. Mile heats, best three in five.

| | | | | | |
|--------------------------------------|---|---|---|---|---|
| R. Garnsey's b. g. Danger..... | 2 | 1 | 1 | 2 | 1 |
| D. Dwyer's s. m. Kate Castleton..... | 3 | 2 | 2 | 1 | 2 |
| W. Maben's br. s. Jud Wilkes..... | 1 | 3 | 3 | 3 | 3 |

Time—2:29; 2:28½; 2:31; 2:31; 2:30.

RACE No. 5—TROTTING.

Sweepstake. Purse, \$75; \$100 added. Mile heats, best three in five.

| | | | | |
|--|---|---|---|---|
| Charles Barnard's ch. g. Charles Steinway..... | 1 | 2 | 1 | 1 |
| I. P. Doolittle's ch. g. Dan Allen..... | 2 | 1 | 2 | 2 |
| Gus Hamstadt's b. m. Maud C..... | 3 | 3 | 3 | 3 |

Time—2:45; 2:43; 2:44; 2:42.

SATURDAY, OCTOBER 31, 1891.

RACE No. 6—TROTTING.

Free for all stallions of district. Purse, \$550. Mile heats, best three in five.

| | | | |
|-----------------------------------|---|---|---|
| John A. Cole's b. s. Raymon | 1 | 1 | 1 |
| J. H. Kelly's b. s. Conn..... | 2 | 2 | 2 |

Time—2:32; 2:34; 2:28½.

RACE No. 7—RUNNING.

Purse, \$50. Quarter of a mile and repeat.

| | | |
|----------------------------------|---|---|
| T. Carter's Rosie | 1 | 1 |
| J. McGarr's Stella | 2 | 2 |
| J. C. Thorne's Trixy Thorne..... | 3 | 4 |
| D. Hayes' Tom Poco | 4 | 3 |

Time—0:24; 0:25.

TRANSACTIONS

OF THE

TWENTY-NINTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the County of Tuolumne.

OFFICERS OF THE ASSOCIATION.

| | |
|--------------------|------------|
| JOHN H. SHINE..... | President. |
| W. G. JONES | Secretary. |
| T. A. HENDER | Treasurer. |

DIRECTORS.

| | |
|--------------------------|---------------|
| CHARLES R. PARSONS | Sonora. |
| C. S. FITCH..... | Sonora. |
| J. H. SHINE | Sonora. |
| D. W. BERGER..... | Sonora. |
| J. W. MAJORS..... | Sonora. |
| T. C. BIRNEY..... | Columbia. |
| WM. SHARWOOD..... | Soulsbyville. |
| J. A. GOODWIN..... | Chinese Camp. |

REPORT.

SONORA, November 2, 1891.

To the honorable the State Board of Agriculture :

GENTLEMEN: The Directors of the Twenty-ninth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

W. G. JONES,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|----------------------------|------------|-------------------|
| Pavilion receipts | \$1,504 45 | |
| Soda water privilege..... | 5 00 | |
| Candy privilege | 10 00 | |
| Optician privilege | 10 00 | |
| Contribution | 10 00 | |
| Sale of lumber | 30 90 | |
| State appropriation | 1,500 00 | |
| County appropriation..... | 1,000 00 | |
| To balance from 1890 | 711 93 | |
| | | <u>\$4,782 28</u> |

Expenditures.

| | | |
|--|------------|-------------------|
| Purchase of realty for track..... | \$2,502 50 | |
| Recording deeds..... | 13 00 | |
| Attorney fees..... | 75 00 | |
| Preliminary survey of tract | 10 00 | |
| Hire of employes at Pavilion and stockyard | 300 80 | |
| Sundries..... | 118 62 | |
| Music | 300 00 | |
| Printing, job work, and advertising | 204 00 | |
| Hay and straw for stock..... | 15 55 | |
| Hack hire | 8 00 | |
| Lumber | 62 36 | |
| Rent of Pavilion | 50 00 | |
| Salary of Secretary..... | 100 00 | |
| Salary of Treasurer..... | 50 00 | |
| Premiums on stock exhibit..... | 314 50 | |
| Premiums on Pavilion exhibit | 1,193 50 | |
| | | <u>\$5,317 88</u> |

SUMMARY.

| | | |
|---------------------------|------------|----------|
| Total expenditures..... | \$5,317 88 | |
| Total receipts | 4,782 28 | |
| Balance due treasury..... | | \$535 55 |

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

NOTE.—In this department no returns have been made by the Secretary as to the awards of premiums. Suffice it to say that the list of exhibits shows that there were sixteen head of horses, two head of cattle, two head of sheep, a span of mules, one jack and one jenny, three trios of chickens, and two pair of geese entered for premiums.—E. F. S.

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|----------------------------------|----------|
| Grain wagon..... | P. Burke, Sonora..... | \$10 00 |
| Ore crusher..... | L. Blanding, Sonora..... | 3 00 |
| Ore roaster..... | L. Blanding, Sonora..... | 5 00 |
| Concentrator..... | L. Blanding, Sonora..... | 2 00 |
| Mining pump..... | L. Blanding, Sonora..... | 1 00 |
| Amalgamator..... | L. Blanding, Sonora..... | 2 00 |
| Case of horseshoes..... | George Kelly, Sonora..... | 4 00 |
| Tobacco plants..... | T. McGee, Sonora..... | 3 00 |
| Sonora flour..... | Smith & Chamberlain, Sonora..... | 3 00 |
| Carpenter's boring machine..... | H. Morse, Sonora..... | 4 00 |
| Hand-made horseshoes..... | M. Morse, Jamestown..... | 2 50 |
| Milk cans..... | W. Rother, Sonora..... | 2 00 |
| Cabinet work..... | R. H. Finney, Sonora..... | 5 00 |
| Two-horse carriage..... | P. Burke, Sonora..... | 10 00 |
| Cabinet work, single piece..... | M. Voorhies, Sonora..... | 5 00 |
| Cabinet work..... | R. Marshall, Sonora..... | Sp. 5 00 |
| Cabinet work..... | P. J. C. Reyland, Sonora..... | Sp. 5 00 |
| Doors, blinds, window sash..... | S. S. Bradford, Sonora..... | 10 00 |
| Eight-horse truck..... | S. S. Bradford, Sonora..... | 10 00 |
| Track plates, shoes, etc..... | S. S. Bradford, Sonora..... | 4 00 |
| Hand-made hammers..... | J. C. Phillips, Sonora..... | 3 00 |
| Dentistry work..... | W. W. Eastman, Sonora..... | 7 00 |
| Harness and saddlery..... | W. Best, Sonora..... | 10 00 |
| Double team harness..... | W. Best, Sonora..... | 4 00 |
| Single team harness..... | W. Best, Sonora..... | 3 00 |
| Carriage harness..... | W. Best, Sonora..... | 5 00 |
| Gent's saddle..... | W. Best, Sonora..... | 2 50 |
| Bridle..... | W. Best, Sonora..... | 1 50 |
| Double buggy harness..... | W. Best, Sonora..... | 5 00 |

THIRD DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|------------------------|----------------------------------|--------|
| CLASS I. | | |
| Toilet set..... | Lou Ashe, Sonora..... | \$4 00 |
| Knitted lace..... | Mrs. Wainwright, Sonora..... | 4 00 |
| Crochet work..... | Mary Kahl, Jamestown..... | 4 00 |
| Calico dress..... | Mary Mercerau, Sonora..... | 4 00 |
| Patchwork quilt..... | Mrs. L. A. Berger, Sonora..... | 3 00 |
| Crochet bedspread..... | Kate Schoettgen, Columbia..... | 4 00 |
| Crochet shawl..... | Kate Schoettgen, Columbia..... | 4 00 |
| Knit bedspread..... | Mrs. E. Haldee, Sonora..... | 4 00 |
| Wax work..... | Mrs. Otto Kanig, Sonora..... | 3 00 |
| Ladies' underwear..... | Miss M. Grohl, Chinese Camp..... | 6 00 |

THIRD DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------------------|----------|
| Knit cotton stockings | Miss M. Grohl, Chinese Camp..... | \$2 00 |
| Crochet work | Mrs. W. Hoskins, Sonora | 2 00 |
| Kensington work | Mrs. W. Sharwood, Soulsbyville | 5 00 |
| Crazy work cushion | Mrs. R. Guy, Soulsbyville | 4 00 |
| Beaded dress set | Mrs. W. F. Bradford, Sonora | 4 00 |
| Millinery display | Miss M. Riordan, Sonora | 15 00 |
| Hearth rug | Mrs. Dr. Drake, Sonora | 8 00 |
| Crochet curtain | Mrs. A. Adams, Sonora | 4 00 |
| Embroidered suspenders | Mrs. T. A. Hendee, Sonora | 1 00 |
| Banner | Mrs. T. A. Hendee, Sonora | 1 00 |
| Embroidered picture | Miss E. Nelson, Columbia | 4 00 |
| Carriage robe | Mrs. S. F. Ball, Sonora | 4 00 |
| Hearth rug | Mrs. S. F. Ball, Sonora | 8 00 |
| Cotton embroidery | Mrs. M. Coster, Sonora | 4 00 |
| Pillow shams | Mrs. M. Jacobs, Sonora | 4 00 |
| Crochet slippers | Miss M. Ousley, Sonora | 4 00 |
| Display of infants' and children's clothing. | Mrs. James May, Sonora | 4 00 |
| Lamp mat | Mrs. M. Lawrence, Sonora | 2 00 |
| Sofa cushion | Mrs. Wm. Sharwood, Soulsbyville | 8 00 |
| Crochet skirt | Mrs. Chas. Zeiten, Jamestown | 4 00 |
| Pillow shams | Mrs. M. Wilzinski, Sonora | 4 00 |
| Kensington handkerchief box | Mrs. C. Schultz, Sonora | 5 00 |
| Largest display by one lady | Mrs. C. Schultz, Sonora | 5 00 |
| Crochet work | Ida Ventry, Sonora | 4 00 |
| Crochet banner | Mrs. E. Lander, Sonora | 4 00 |
| Crazy quilt | Mrs. E. T. Gould, Sonora | 4 00 |
| Paper flowers | Miss T. Kahl, Jamestown | 4 00 |
| Basket of flowers | Helen Rother, Sonora | 4 00 |
| Child's afghan | Mrs. E. Wilzinski, Sonora | 3 00 |
| Table cover | Miss H. Baer, Sonora | 4 00 |
| Knit stockings | Mrs. C. Avaneito, Columbia | 2 00 |
| Spanish work | Mrs. M. Lopez, Sonora | 5 00 |
| Table cover | Mrs. C. Schultz, Sonora | 4 00 |
| Infant's clothing | Mrs. M. Hughes, Sonora | 4 00 |
| Hair work | Mrs. C. L. Jones, Sonora | 4 00 |
| Patchwork quilt | Mrs. M. Hughes, Sonora | 3 00 |
| Basket of paper flowers and grasses | Miss H. Rother, Sonora | Diploma. |
| Collection of hearth rugs | Miss S. Tinney, Chinese Camp | \$3 00 |
| Piano cover | Mrs. T. A. Hender, Sonora | 4 00 |
| Table scarf | Mrs. L. M. Warren, Sonora | 4 00 |
| Display of hanging baskets | Nellie Leonard, Sonora | 3 00 |
| CLASS II. | | |
| Shell work | Emma Neubaumer, Columbia | 2 50 |
| Hair flowers | Lena Neubaumer, Columbia | 4 00 |
| Worsted work | Pearl Hoskins, Sonora | 4 00 |
| Sofa cushion | Mary Silva, Sonora | Diploma. |
| Outline splasher | Etta Reitz, Sonora | \$4 00 |
| Spanish work | Etta Reitz, Sonora | 5 00 |
| Patchwork quilt | Mary Shipe, Sonora | 5 00 |
| Silk embroidery | Lottie Floyd, Soulsbyville | 4 00 |
| Embroidered table scarf | Juliet Mouron, Sonora | 4 00 |
| Outline splasher and apron | Leonora Mouron, Sonora | 4 00 |
| Embroidered pincushion | Leonora Mouron, Sonora | 2 00 |
| Wall pocket | Beatrice Reed, Sonora | 4 00 |
| Arrasene work | Eva Gerber, Sonora | 8 00 |
| Embroidered alphabet | Rosa Ventry, Sonora | 8 00 |
| Sofa cushion | Juliet Mouron, Sonora | 3 00 |
| CLASS III. | | |
| Display of furniture | C. Burden, Sonora | 15 00 |
| Hair mattresses | C. Burden, Sonora | 4 00 |
| Cabinetware | C. Burden, Sonora | 7 00 |
| Upholstering | C. Burden, Sonora | 5 00 |
| Marble work | H. C. McCready, Sonora | 10 00 |
| White labor cigars | A. S. Fass, Sonora | 5 00 |
| Pumps, stoves, tinware | W. Rother, Sonora | 10 00 |
| Jewelry and silverware | E. Osborne, Sonora | 8 00 |
| Table and pocket cutlery | E. Osborne, Sonora | 4 00 |
| Silver water set | Mrs. E. Osborne, Sonora | 3 00 |

THIRD DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------|-------------------------------------|---------|
| Display of groceries | H. Oppenheimer, Sonora | \$10 00 |
| Carriage painting | W. Hartvig, Sonora | 10 00 |
| Specimen of marble | Columbia Marble Co., Columbia | 10 00 |
| Soft soap | Mrs. E. Wilzinski, Sonora | 5 00 |
| Dry goods | Wilzinski Bros., Sonora | 15 00 |
| Blankets | Wilzinski Bros., Sonora | 5 00 |
| Boots and shoes | M. Reeb, Sonora | 5 00 |
| Display of confectionery | Mrs. Lick, Sonora | 8 00 |
| Pocket cutlery | H. H. Rowell, Sonora | 4 00 |
| Japanese pepper plant | Mrs. V. Galut, Sonora | 2 00 |
| Home-made jewelry | John Neal, Sonora | 8 00 |

FOURTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------------|----------------------------------|--------|
| Carrots | Wm. Turner, Sonora | \$3 00 |
| Corn on stalk | W. H. Harding, Springfield | 3 00 |
| Cotton plant | Wm. Turner, Sonora | 5 00 |
| Pumpkins | Jas. Ghoce, Sonora | 2 50 |
| Green peas | Jas. Ghoce, Sonora | 3 00 |
| Butter | John App, Jamestown | 5 00 |
| Half bushel of wheat | D. W. Berger, Sonora | 5 00 |
| Barley | D. W. Berger, Sonora | 3 00 |
| Hand-made hard soap | Miss Hattie Berger, Sonora | 5 00 |
| Lard | Miss Hattie Berger, Sonora | 5 00 |
| Salt-rising wheat bread | Miss Hattie Berger, Sonora | 2 00 |
| Dried beans | Mrs. Neubaumer, Columbia | 5 00 |
| Beets | Mrs. Neubaumer, Columbia | 3 00 |
| Wheat bread | Mrs. A. M. Lowrey, Sonora | 2 00 |
| Lemon pie | Mrs. H. Roberts, Sonora | 2 00 |
| Graham crackers | A. Siebert, Columbia | 2 00 |
| Soda crackers | A. Siebert, Columbia | 2 00 |
| Firkin butter, twenty pounds | Mrs. R. Guy, Soulsbyville | 10 00 |
| Tomato plants | Mrs. L. Volponi, Sonora | 5 00 |
| Celery | D. Senalli, Columbia | 1 50 |
| Parsnips | D. Senalli, Columbia | 4 00 |
| Cabbage | D. Senalli, Columbia | 3 00 |
| Barley | E. Booker, Sonora | 5 00 |
| Wheat | J. A. Booker, Sonora | 3 00 |
| Tomatoes | D. Senalli, Columbia | 3 00 |
| Irish potatoes | E. M. Whitsell, Columbia | 5 00 |
| Irish potatoes | J. Ghiora, Sonora | 3 00 |
| Silver skin onions | D. Boytana, Sonora | 5 00 |
| Dried peaches | E. Engler, Sonora | 3 00 |
| Dried plums | E. Engler, Sonora | 4 00 |
| Dried apples | E. Engler, Sonora | 3 00 |
| Dried pears | E. Engler, Sonora | 3 00 |
| White wine, one year old | E. Engler, Sonora | 6 00 |
| Claret wine, one year old | E. Engler, Sonora | 6 00 |
| Watermelons | J. F. Ralph, Sonora | 5 00 |
| Flower plants | Mrs. C. Schultz, Sonora | 8 00 |
| Cookies | Mrs. J. Mouron, Sonora | 2 00 |
| Beets | L. Dondesi, Columbia | 4 00 |
| Cucumbers | L. Dondesi, Columbia | 3 00 |
| String beans | L. Dondesi, Columbia | 3 00 |
| Tomatoes | L. Dondesi, Columbia | 5 00 |
| Dried beans | E. C. Carne, Soulsbyville | 3 00 |
| Stock carrots | E. C. Carne, Soulsbyville | 5 00 |
| Pumpkins | H. Batten, Sonora | 2 50 |
| Beardslee barley | H. Batten, Sonora | 3 00 |
| Largest display of vegetables | H. Batten, Sonora | 10 00 |
| Dried onions | W. Hassel, Columbia | 3 00 |
| Wheat bread | Charles Lang, Sonora | 1 50 |
| Brown bread | Charles Lang, Sonora | 2 00 |
| Graham bread | Charles Lang, Sonora | 2 00 |

FOURTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|--------|
| Rye bread | Charles Lang, Sonora | \$2 00 |
| Bacon | M. J. Wolfing, Sonora | 3 00 |
| Hams | M. J. Wolfing, Sonora | 3 00 |
| Corned beef | M. J. Wolfing, Sonora | 3 00 |
| Ten pounds butter | Mary Antonelli, Sonora | 10 00 |
| Cheese | Mary Antonelli, Sonora | 7 00 |
| Flower plant | Mrs. M. E. Ball, Sonora | 8 00 |
| Eggplant | F. Bentz, Soulsbyville | 2 00 |
| Sign painting | William Hartvig, Sonora | 5 00 |
| Pressed corned beef | J. McCormick & Bros., Sonora | 2 00 |
| Sweet potatoes | W. H. Booker, Sonora | 4 00 |
| Dried apples | W. Gillis, Tuttle town | 4 00 |
| Dried apricots | W. Gillis, Tuttle town | 4 00 |
| Dried nectarines | W. Gillis, Tuttle town | 4 00 |
| Dried pears | W. Gillis, Tuttle town | 4 00 |
| Dried peaches | W. Gillis, Tuttle town | 4 00 |
| Best and largest display of dried fruits | W. Gillis, Tuttle town | 8 00 |

FIFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|--|--------|
| Bottled beer | John Bauman, Sonora | \$4 00 |
| Bottled porter | John Bauman, Sonora | 4 00 |
| Lager beer | John Bauman, Sonora | 4 00 |
| Apples | I. T. Holland, Sonora | 10 00 |
| Pears | M. Lawrence, Sonora | 8 00 |
| Branded peaches | W. H. Harding, Columbia | 5 00 |
| Strawberries | S. H. Jeffers, Sonora | 5 00 |
| Gooseberries | Mrs. S. H. Jeffers, Sonora | 3 00 |
| Jellies | Mrs. R. Guy, Soulsbyville | 5 00 |
| Hermetically-sealed fruits | Mrs. R. Guy, Soulsbyville | 5 00 |
| Largest display of fruits and jellies | Mrs. R. Guy, Soulsbyville | 7 50 |
| Dried figs | Lulu Drake, Sonora | 4 00 |
| Peanut plant | Mrs. L. Volponi, Sonora | 1 00 |
| Prunes | W. H. Booker, Sonora | 8 00 |
| Quinces | Johanna Orr, Tuttle town | 5 00 |
| Apples | G. Allen, Columbia | 8 00 |
| Black walnuts | R. Marshall, Sonora | 5 00 |
| Pears | J. F. Ralph, Sonora | 10 00 |
| Plums | Mrs. J. F. Ralph, Sonora | 10 00 |
| Brandy, one year old | Geo. F. Culbertson, Chinese Camp | 5 00 |
| Soft-shell almonds | J. Wainwright, Sonora | 2 50 |
| English walnuts | J. Wainwright, Sonora | 2 50 |
| Wine grapes | J. Wainwright, Sonora | 8 00 |
| Assorted pickles | Hattie Berger, Sonora | 5 00 |
| Champagne cider | Macomber Bros., Sonora | 6 00 |
| Sweet apple cider | Macomber Bros., Sonora | 6 00 |
| Maderia | Macomber Bros., Sonora | 6 00 |
| Apple cider vinegar | Macomber Bros., Sonora | 5 00 |
| Branded peaches | Henry Batten, Sonora | 5 00 |
| Peaches | William Harris, Sonora | 10 00 |
| Chestnuts | Mary Antonelli, Sonora | 5 00 |
| Raisins | William Harris, Sonora | 5 00 |
| Oranges | J. Renaud, Chinese Camp | 5 00 |
| Apple butter | Mrs. E. Nolan, Sonora | 2 00 |
| Soda water | Thomas Leonard, Sonora | 6 00 |
| Sarsaparilla and iron | Thomas Leonard, Sonora | 6 00 |
| Ginger ale | Thomas Leonard, Sonora | 6 00 |
| Orange cider | Thomas Leonard, Sonora | 6 00 |
| Table grapes | J. A. Goodwin, Chinese Camp | 10 00 |
| Peaches | J. A. Goodwin, Chinese Camp | 8 00 |
| Port wine | J. A. Goodwin, Chinese Camp | 6 00 |
| Sherry wine | J. A. Goodwin, Chinese Camp | 6 00 |
| Raspberries | S. H. Jeffers, Sonora | 5 00 |

SIXTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|-----------------------------------|--------|
| India ink portraiture | T. W. Wells, Sonora | \$2 00 |
| Photographic scenes in district | T. W. Wells, Sonora | 10 00 |
| Portrait on silk | T. W. Wells, Sonora | 2 00 |
| Picture frames | T. W. Wells, Sonora | 3 00 |
| Artists' material | T. W. Wells, Sonora | 2 00 |
| Single portraits | T. W. Wells, Sonora | 5 00 |
| Crayon work | T. W. Wells, Sonora | 5 00 |
| Water-color work | T. W. Wells, Sonora | 3 00 |
| Best display of oil paintings | T. W. Wells, Sonora | 8 00 |
| Handsome oil painting | Miss L. Harriman, Sonora | 4 00 |
| Oil painting | Mrs. M. J. Wells, Sonora | 2 00 |
| Display of basket work | Indian Jennie, Soulsbyville | 5 00 |
| Display of mechanical work | J. Cazeretti, Sonora | 5 00 |
| Picture frame of burs | Mrs. M. E. Burke, Sonora | 3 00 |
| Painting on cloth | Miss May Lick, Sonora | 5 00 |
| Best mineral cabinet | Fred. Conrad, Sonora | 20 00 |
| Single gold specimen | D. R. Oliver, Sonora | 5 00 |
| Five pieces mechanical work | H. H. Rowell, Sonora | 5 00 |
| Mineral display | John Harrington, Sonora | 10 00 |
| Penmanship of school children | C. O. Ortega, Sonora | 4 00 |
| Exhibit of Columbia school | G. P. Morgan, Columbia | 5 00 |
| Single stick ash timber | A. Nelson, Columbia | 5 00 |

TRANSACTIONS

OF THE

THIRTIETH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the County of Tehama.

OFFICERS OF THE ASSOCIATION.

| | |
|--------------------|------------|
| J. S. CONE..... | President. |
| M. R. HOOK..... | Secretary. |
| W. B. CAHOONE..... | Treasurer. |

DIRECTORS.

| | |
|----------------------|------------|
| J. S. CONE | Red Bluff. |
| G. G. KIMBALL..... | Red Bluff. |
| E. C. FORTIER | Red Bluff. |
| JOHN GREGG..... | Red Bluff. |
| C. B. ASHURST..... | Red Bluff. |
| PAUL STOLL | Red Bluff. |
| HENRY WIETFELDT..... | Red Bluff. |
| R. H. BLOSSOM | Red Bluff. |

REPORT.

RED BLUFF, December 1, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Thirtieth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

M. R. HOOK,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|---------------------------------|----------|-------------------|
| Sale of privileges | \$806 00 | |
| Entrance money | 1,782 50 | |
| Receipts at Park | 728 50 | |
| Receipts at Pavilion | 437 50 | |
| Sale of membership badges | 225 00 | |
| Sale of season tickets | 107 50 | |
| Subscriptions | 1,799 50 | |
| Rent of Park | 307 42 | |
| Sale of lumber | 7 50 | |
| Due from State | 2,000 00 | |
| Balance | 895 02 | |
| | | <u>\$8,576 44</u> |

Expenditures.

| | | |
|---|----------|-------------------|
| Dues to National Trotting Association | \$25 00 | |
| Rent, lights, and music | 229 00 | |
| Expressage, postage, and telegraphing | 19 06 | |
| Insurance | 80 00 | |
| Labor and material at Park | 1,616 15 | |
| Purses | 3,137 50 | |
| Labor at Pavilion | 333 64 | |
| Premiums, Pavilion | 429 75 | |
| Premiums, Park | 177 00 | |
| Salary of Secretary | 150 00 | |
| Sprinkling cart | 352 00 | |
| Interest on bills payable | 1,083 38 | |
| Interest on overdrafts | 10 84 | |
| Printing and advertising | 890 52 | |
| Incidental expenses | 182 62 | |
| Salary of Treasurer | 150 00 | |
| Rent of Pavilion | 150 00 | |
| Superintendent of Park | 100 00 | |
| | | <u>\$8,576 44</u> |

PREMIUMS AWARDED—1891.

FIRST DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|------------------------------------|----------------------------------|--------|
| CLASS II—GRADED HORSES. | | |
| Fern (11,632)..... | W. F. Johnson, Red Bluff..... | \$7 50 |
| Fern (11,632) and five colts | W. F. Johnson, Red Bluff..... | 20 00 |
| Fern Knight..... | W. F. Johnson, Red Bluff..... | 7 50 |
| May Girl..... | H. C. Wietfeldt, Red Bluff..... | 10 00 |
| Ante Up..... | C. W. Davis, Corning..... | 15 00 |
| CLASS III—HORSES OF ALL WORK. | | |
| Lulu Ferncliffe..... | A. A. Coffey, Red Bluff..... | 8 00 |
| CLASS IV—DRAFT STALLION. | | |
| Black Louis, Jr. | Chas. Hesse, Red Bluff..... | 10 00 |
| CLASS V—ROADSTERS. | | |
| Pattie..... | B. W. Bidwell, Red Bluff..... | 10 00 |
| CLASS VIII—SADDLE HORSE. | | |
| Billy P..... | Plymire Bros., Red Bluff..... | 5 00 |
| CLASS IX—COLTS. | | |
| Nimrod Button..... | A. A. Coffey, Red Bluff..... | 2 50 |
| Frank F..... | W. F. Johnson, Red Bluff..... | 5 00 |
| CATTLE.—CLASS II—JERSEYS. | | |
| Sallie..... | H. C. Wietfeldt, Red Bluff..... | 10 00 |
| Pink..... | H. C. Wietfeldt, Red Bluff..... | 5 00 |
| CLASS IV—DURHAMS. | | |
| Jessie B..... | Chas. Lange, Red Bluff..... | 10 00 |
| CLASS V—HOLSTEINS. | | |
| Jaquima..... | C. B. Ashurst, Red Bluff..... | 7 50 |
| Madrigada..... | A. Walton, Red Bluff..... | 5 00 |
| CLASS VI. | | |
| Juno..... | C. B. Ashurst, Red Bluff..... | ..... |
| Minerva..... | C. B. Ashurst, Red Bluff..... | ..... |
| Rebecca (2,939)..... | C. B. Ashurst, Red Bluff..... | ..... |
| Soon..... | C. B. Ashurst, Red Bluff..... | ..... |
| Ramona..... | C. B. Ashurst, Red Bluff..... | ..... |
| Maria..... | C. B. Ashurst, Red Bluff..... | ..... |
| Vina..... | C. B. Ashurst, Red Bluff..... | 5 00 |
| Palo Fino (2,939)..... | C. B. Ashurst, Red Bluff..... | ..... |
| Duchess (2,939)..... | C. B. Ashurst, Red Bluff..... | ..... |
| Lady Jane..... | C. B. Ashurst, Red Bluff..... | 3 00 |
| Queen..... | C. B. Ashurst, Red Bluff..... | ..... |
| Daisy..... | C. B. Ashurst, Red Bluff..... | ..... |
| Mary..... | C. B. Ashurst, Red Bluff..... | 2 00 |
| Ben H..... | C. B. Ashurst, Red Bluff..... | 2 00 |
| SWINE.—CLASS III—BERKSHIRES. | | |
| Carrie C (25,994)..... | Pendleton & Hall, Red Bluff..... | 5 00 |
| Model Boy (25,967)..... | Pendleton & Hall, Red Bluff..... | 5 00 |
| Commilla (25,914)..... | Pendleton & Hall, Red Bluff..... | ..... |
| CHESTERS. | | |
| Sow and pigs..... | Wm. Guernsey, Red Bluff..... | 5 00 |
| Boar..... | Wm. Guernsey, Red Bluff..... | 5 00 |

FIRST DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---------------------------|----------------------------------|--------|
| POULTRY. | | |
| Pair Black Spanish | Pendleton & Hall, Red Bluff..... | \$2 50 |
| Pair Brown Leghorns | Pendleton & Hall, Red Bluff..... | 2 00 |
| Pair White Leghorns | Pendleton & Hall, Red Bluff..... | 2 50 |
| Pair Plymouth Rocks | S. P. Roller, Red Bluff..... | 2 50 |
| Pair Buff Cochins | Pendleton & Hall, Red Bluff..... | 2 50 |

SECOND DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------|-------------------------------|--------|
| CLASS II. | | |
| Spring wagon | Bidwell Bros., Red Bluff..... | \$5 00 |

THIRD DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------|---------------------------------------|--------|
| CLASS I. | | |
| Knitted lace | Mrs. C. A. Kingsley, Red Bluff..... | \$2 50 |
| Crochet lace | Miss Jessie Frank, Red Bluff..... | 2 00 |
| Hooked rug | Mrs. C. A. Kingsley, Red Bluff..... | 3 00 |
| Fancy chair roll | Mrs. M. Grinnell, Red Bluff..... | 2 00 |
| Tailor work | Nathan Gee, Red Bluff..... | 5 00 |
| Crochet bedspread | Miss Mary Guernsey, Red Bluff..... | 5 00 |
| CLASS II. | | |
| Point lace | Mrs. D. B. Lyon, Red Bluff..... | 2 00 |
| Embroidered pincushion | Miss Isabelle Chipman, Red Bluff..... | 2 00 |
| Crochet shawl | Mrs. M. J. Frank, Red Bluff..... | 2 00 |
| Spanish drawn work | Mrs. J. J. Grinnell, Red Bluff..... | 2 00 |
| Arrasene embroidery | Mrs. S. E. Baker, Red Bluff..... | 2 00 |
| Piano cover | Mrs. Paul Stoll, Red Bluff..... | 5 00 |
| Decorated fire screen | Mrs. M. E. Cox, Red Bluff..... | 2 00 |
| Pillow sham etching | Olie Dailey, Red Bluff..... | 2 00 |
| Embroidered lambrequin | Mrs. B. Bidwell, Red Bluff..... | 2 00 |
| Embroidered work | Mrs. M. E. Decker, Red Bluff..... | 2 00 |
| Sofa cushion | Mrs. H. M. Albright, Red Bluff..... | 2 00 |
| Fancy tidy | Mrs. M. E. Decker, Red Bluff..... | 2 00 |
| Crazy quilt | Mrs. H. M. Albright, Red Bluff..... | 5 00 |
| Embroidered table scarf | Mrs. N. Gee, Red Bluff..... | 2 00 |
| Patchwork quilt | Mrs. M. E. Decker, Red Bluff..... | 2 50 |
| Silk quilt | Mrs. M. E. Cox, Red Bluff..... | 5 00 |
| Worsted quilt | Mrs. M. E. Cox, Red Bluff..... | 2 00 |
| Crochet tidy | Bessie Flournoy, Henleville..... | 1 00 |
| Child's worsted skirt | Mrs. M. J. Frank, Red Bluff..... | 2 00 |
| Ottoman cover | Mrs. E. Bidwell, Red Bluff..... | 2 00 |
| JUVENILE. | | |
| Cotton quilt | Miss Delia Ceas, Red Bluff..... | 1 00 |

FOURTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-------------------------------------|---------|
| CLASS I. | | |
| Carriage harness..... | Paul Stoll, Red Bluff..... | \$10 00 |
| Single harness..... | Paul Stoll, Red Bluff..... | 5 00 |
| Best display of saddles and bridles..... | Paul Stoll, Red Bluff..... | 2 50 |
| Best display of farm harness..... | Paul Stoll, Red Bluff..... | 10 00 |
| CLASS II. | | |
| Horse plates..... | Charles Graffell, Red Bluff..... | 5 00 |
| CLASS III. | | |
| Display of castings..... | Job Comins, Red Bluff..... | 10 00 |
| Dynamo..... | Charles Hughes, Red Bluff..... | 10 00 |
| CLASS V. | | |
| Best display of willow and rattan furniture..... | W. C. Fickert, Red Bluff..... | 5 00 |
| Best lounge..... | W. C. Fickert, Red Bluff..... | 2 50 |
| Best display of mattresses..... | W. C. Fickert, Red Bluff..... | 3 00 |
| Best display of furniture..... | W. C. Fickert, Red Bluff..... | 10 00 |
| Best display of upholstery..... | Mrs. L. H. D. Lange, Red Bluff..... | 5 00 |
| CLASS VIII. | | |
| Soap..... | Mrs. Henry Halley, Red Bluff..... | 5 00 |
| Soap..... | Mrs. C. A. Kingsley, Red Bluff..... | 2 00 |
| CLASS IX. | | |
| Candies and confectionery..... | Jos. Wiest, Red Bluff..... | 10 00 |
| CLASS X. | | |
| Dressed marble..... | Plymire Bros., Red Bluff..... | 10 00 |
| Dressed granite..... | Plymire Bros., Red Bluff..... | 10 00 |
| Display of minerals..... | E. Hickman, Red Bluff..... | 5 00 |
| Marine curiosities..... | Mrs. L. H. D. Lange, Red Bluff..... | 5 00 |

FIFTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|-------------------------------------|---------|
| CLASS I. | | |
| Best and largest variety of wheat..... | J. S. Cone, Red Bluff..... | \$10 00 |
| Best sack of oats..... | J. S. Cone, Red Bluff..... | 2 00 |
| Best barley..... | J. S. Cone, Red Bluff..... | 2 00 |
| Tobacco..... | H. Burrichter, Red Bluff..... | 2 00 |
| Manufactured tobacco..... | Gerke Bros., Red Bluff..... | 5 00 |
| CLASS II. | | |
| Half bushel white potatoes..... | A. Sanford, Red Bluff..... | 1 00 |
| Six sugar beets..... | George Stoll, Red Bluff..... | 1 00 |
| Six marrow squash..... | W. F. Johnson, Red Bluff..... | 1 00 |
| Watermelons..... | T. Kindlespire, Proberta..... | 1 00 |
| Muskmelons..... | H. Burrichter, Red Bluff..... | 1 00 |
| CLASS III. | | |
| Cut flowers..... | Mrs. Paul Stoll, Red Bluff..... | 2 50 |
| Best collection of ornamental flowering plants..... | Mrs. Paul Stoll, Red Bluff..... | 5 00 |
| Best display of bouquets..... | Mrs. V. C. Snelling, Red Bluff..... | 2 50 |
| Best display of flowering plants in bloom..... | Mrs. V. C. Snelling, Red Bluff..... | 5 00 |
| Best display of fuchsias in bloom..... | Mrs. V. C. Snelling, Red Bluff..... | 2 50 |
| Best collection of plants for greenhouse..... | Mrs. V. C. Snelling, Red Bluff..... | 2 50 |
| Best collection of rare and new plants..... | Dr. G. W. Westlake, Red Bluff..... | 2 50 |
| CLASS IV. | | |
| Best four specimens of wool..... | J. S. Cone, Red Bluff..... | 3 00 |

SIXTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|----------|
| CLASS I. | | |
| Best display of apples..... | W. E. Hazen, Red Bluff..... | \$5 00 |
| Second best apples..... | G. H. Flournoy, Henleyville..... | 2 50 |
| Best six varieties apples..... | W. E. Hazen, Red Bluff..... | 2 00 |
| Best twelve varieties apples..... | G. H. Flournoy, Henleyville..... | 4 00 |
| Best pears..... | G. H. Flournoy, Henleyville..... | 5 00 |
| Second best display of pears..... | Geo. M. Stoll, Red Bluff..... | 2 50 |
| Best twelve varieties pears..... | G. H. Flournoy, Henleyville..... | 4 00 |
| Best six varieties pears..... | Geo. M. Stoll, Red Bluff..... | 2 00 |
| Best display of peaches..... | D. S. Cone, Red Bluff..... | 5 00 |
| Second best display of peaches..... | G. H. Flournoy, Henleyville..... | 2 50 |
| Best six varieties peaches..... | D. S. Cone, Red Bluff..... | 2 50 |
| Best display of plums..... | N. P. Chipman, Red Bluff..... | 2 50 |
| Second best display of plums..... | J. Eby, Red Bluff..... | 1 25 |
| Best pomegranates..... | N. P. Chipman, Red Bluff..... | 2 50 |
| Best display of olives..... | J. Eby, Red Bluff..... | 2 50 |
| Best display of nectarines..... | H. Burrichter, Red Bluff..... | 2 50 |
| Best display of green figs..... | C. B. Ashurst, Red Bluff..... | 2 00 |
| Second best display of green figs..... | H. Burrichter, Red Bluff..... | 1 00 |
| CLASS II | | |
| Best display of honey..... | S. P. Roller, Red Bluff..... | 2 00 |
| Best display of fruit in glass..... | J. Eby, Red Bluff..... | 10 00 |
| Second best..... | Mrs. N. P. Chipman, Red Bluff..... | 5 00 |
| Best three jars currant jelly..... | Mrs. N. P. Chipman, Red Bluff..... | 2 00 |
| Best three jars blackberry jelly..... | Mrs. N. P. Chipman, Red Bluff..... | 2 00 |
| Best three jars quince jelly..... | Mrs. N. P. Chipman, Red Bluff..... | 2 00 |
| Best brandied peaches..... | Mrs. N. P. Chipman, Red Bluff..... | 2 50 |
| Pickles in glass..... | G. H. Flournoy, Henleyville..... | 2 50 |
| Preserves in glass..... | G. H. Flournoy, Henleyville..... | 5 00 |
| CLASS III. | | |
| Best twenty-five pounds dried apples..... | Geo. M. Stoll, Red Bluff..... | 2 00 |
| Best twenty-five pounds dried peaches..... | N. P. Chipman, Red Bluff..... | 2 00 |
| Best twenty-five pounds dried prunes..... | N. P. Chipman, Red Bluff..... | 2 00 |
| Best six varieties grapes..... | J. Eby, Red Bluff..... | 2 00 |
| Best half peck soft-shell almonds..... | H. Burrichter, Red Bluff..... | 2 00 |
| Best display of nuts..... | H. Burrichter, Red Bluff..... | 2 50 |
| Best display of dried fruits..... | N. P. Chipman, Red Bluff..... | 5 00 |
| Best raisin grapes..... | N. P. Chipman, Red Bluff..... | 3 00 |
| Best package for shipping fruit..... | Sierra Lumber Co., Red Bluff..... | Diploma. |
| Best six varieties table grapes..... | G. M. Stoll, Red Bluff..... | \$3 50 |
| Best three varieties table grapes..... | G. M. Stoll, Red Bluff..... | 1 00 |
| Best five varieties wine grapes..... | G. M. Stoll, Red Bluff..... | 5 00 |
| Best six bottles white wine..... | L. C. Dailey, Red Bluff..... | 3 00 |
| Best display of sweet cider..... | L. C. Dailey, Red Bluff..... | 2 50 |
| Best cider vinegar..... | L. C. Dailey, Red Bluff..... | 2 50 |

SEVENTH DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------------|-------------------------------------|--------|
| CLASS I. | | |
| Best oil painting..... | Mrs. M. E. Cox, Red Bluff..... | \$5 00 |
| Second best..... | Mrs. B. Bidwell, Red Bluff..... | 2 50 |
| Best water-color painting..... | Mrs. J. J. McLean, Red Bluff..... | 2 50 |
| Best collection of paintings..... | Mrs. L. H. D. Lange, Red Bluff..... | 5 00 |
| Best kensington painting..... | Miss Susie Dodson, Red Bluff..... | 3 00 |
| CLASS II. | | |
| Best pencil drawing..... | Mrs. J. J. McLean, Red Bluff..... | 2 50 |
| Best India ink drawing..... | Mrs. J. J. McLean, Red Bluff..... | 2 50 |
| Best crayon drawing..... | D. B. Lyon, Jr., Red Bluff..... | 2 50 |
| Best graining on wood..... | M. J. Frank, Red Bluff..... | 3 00 |
| Best sign painting..... | M. J. Frank, Red Bluff..... | 5 00 |

SEVENTH DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------|------------------------------------|--------|
| CLASS III. | | |
| Best water-color painting..... | Miss Alice Chipman, Red Bluff..... | \$1 50 |
| Best penmanship..... | Geo. Grinnell, Red Bluff..... | 2 00 |

BABY SHOW.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------|-----------------------------------|---------|
| First premium..... | Mrs. Annie McElroy, Red Bluff.... | \$10 00 |
| Second premium (twins)..... | M. M. DeShields, Red Bluff..... | 5 00 |
| Third premium..... | Ella Abbott, Red Bluff..... | 2 50 |

SPEED PROGRAMME.

TUESDAY, AUGUST 18, 1891.

RACE No. 1—RUNNING.

Open to all. Purse, \$125. Three quarters of a mile and repeat.

| | |
|---|---|
| Northern Stable's Canny Scot, by Leinster; dam, Tibbie Dunbar | 1 |
| James H. Muse's Wild Oats, by Wildidle; dam, Mary Givens | 2 |
| B. A. Short's Joe Harding, by Joe Hooker; dam, Irene Harding | 3 |
| H. Mooney's Maggie M, by Vandal; dam, Bayswater | 0 |

Time—1:17½; 1:18.

RACE No. 2—PACING.

For horses without record. Purse, \$200. Mile heats, best three in five.

| | |
|---|---|
| B. V. Sargent's Keno, by Jim Mulvenna; dam, Hattie S. | 1 |
| W. L. Johnston's Monroe, by Monroe Chief; dam, Belle Alta | 2 |
| S. H. Montgomery's Lady Tolman, by Frank Tolman; dam, by Signal | 3 |
| Howard Bros.' Howard St. Clair, by Robert St. Clair; dam, Belle, by McCoy's Patchen. | 4 |

Time—2:27; 2:32; 2:31; 2:33½; 2:31½; 2:36½.

RACE No. 3—TROTTING.

3:00 Class. Open to all. Purse, \$250. Mile heats, best three in five.

| | |
|---|---|
| C. Stimpson's Harley, by Kentucky; dam, Pacific Maid | 1 |
| A. W. Boucher's General Logan, by Alex Button; dam, by Dietz' St. Clair | 2 |
| Hugh Willis' Our Jack, by Gibraltar; dam, Mattie W. | 3 |
| T. C. Snider's Ava, by Dan Voorhies; dam, Sweetmeat, by Gen. Knox | 4 |
| Fairmount Stock Farm's Vasto, by Vasco; dam, Chess | 5 |

Time—2:37; 2:31½; 2:34½; 2:32; 2:34.

WEDNESDAY, AUGUST 19, 1891.

RACE No. 4—RUNNING.

Open to all. Purse, \$100. Half mile heats, best two in three.

| | |
|--|---|
| Robert Stipe's Iodine, by Alp; dam, Kitty Dean | 1 |
| A. Martin's Klickitat Tom, by Montana; dam, Rockland Maid | 2 |
| Hugh Willis' Dewdrop, by Joe Hooker; dam, Toddy | 3 |
| Marion Case's Woodbury, Jr., by Woodbury; dam, by Ashland | 0 |
| Ashcroft & Johnson's Legal Tender, by Ironclad; dam, by Hercules | 0 |
| A. D. Harrison's Lyda Ferguson; pedigree unknown | 0 |

Time—0:50½; 0:50½.

RACE No. 5—TROTTING.

For district two-year olds. Purse, \$150. Mile heats, best three in five.

| | |
|---|---|
| H. S. Hogoboom's Lucky B, by Prompter; dam, Josie N | 1 |
| A. L. Hinds' Hero, by Mambrino Wilkes; dam, by Conductor | 2 |
| Wilber Field Smith's King of the Ring, by Silver King; dam, Nighthawk | 3 |
| G. B. Simpson's Lucy W, by Arthur Wilkes; dam, by Singleton | 4 |

Time—2:42½; 2:42½; 2:39.

RACE No. 6—TROTTING.

2:35 Class. Open to all. Purse, \$300. Mile heats, best three in five.

| | |
|--|---|
| M. Biggs, Jr.'s Ed Biggs, by Brigadier; dam, thoroughbred | 1 |
| E. Downer's Alpha, by Privateer; dam, unknown | 2 |
| G. W. Woodard's Kehoe, by Alex Button; dam, Sibyl | 3 |
| Ellison & Saunder's W W, by Tilton Almont; dam, Sallie, by Stone horse | 4 |
| Jim Way's Duke Cameo, by Jim Mulvenna; dam, Nellie | 5 |
| William Doty's Billy Doty, by Brigadier; dam, Maud D | 6 |

Time—2:29½; 2:30; 2:30½; 2:32½.

THURSDAY, AUGUST 20, 1891.

RACE No. 7—RUNNING.

Open to all. Purse, \$125. One mile and repeat.

| | |
|---|---|
| Northern Stable's Canny Scot, by Leinster; dam, Tibbie Dunbar | 1 |
| Dennison Bros.' Dave Douglas, by Leinster; dam, Lily Simpson | 2 |
| E. A. Neame's Lady Gwen, by Joe Daniels; dam, Emma | 3 |

Time—1:50½; 1:49.

RACE No. 8—PACING.

2:25 Class. Open to all. Purse, \$250. Mile heats, best three in five.

| | |
|---|---|
| W. W. Bates' John L, by Joker; dam, unknown | 1 |
| Howard Bros.' Howard St. Clair, by Robert St. Clair; dam, Belle, by McCoy's Patchen | 2 |
| T. P. Hendrick's Lota, by Singleton; dam, by Ophir | 3 |
| John Cochran's San José, pedigree unknown | 4 |
| C. Sherman's George Wapple, by Brigadier; dam, Lulu Copperhead | 5 |

Time—2:22½; 2:26½; 2:28.

SPECIAL TROTTING.

For named horses. Purse, \$125. Mile heats, best three in five.

| | |
|--|---|
| T. C. Snider's Chloe, by Dexter Prince; dam, by Hawthorne | 1 |
| S. K. Trefry's Dinah, by Little Billy; dam, by Terror | 2 |
| Geo. L. Johnson's Sargent, by Brown Jug; dam, by General Taylor | 3 |
| C. F. Taylor's Sydney J, by Revolution; dam, by Friday McCracken | 4 |

Time—2:29½; 2:29½; 2:30; 2:32.

RACE No. 9—TROTTING.

District. Purse, \$150. Mile heats, best three in five.

| | |
|--|-------|
| G. W. Woodard's Lady Button, by Alex Button; dam, Lucy, by Dan | w. o. |
|--|-------|

FRIDAY, AUGUST 21, 1891.

RACE No. 10—RUNNING.

Open to all. Purse, \$125. One and one eighth miles.

| | |
|--|---|
| James H. Muse's Wild Oats, by Wildidle; dam, Mary Givens | 1 |
| Northern Stable's Nighttime, by Joe Hooker; dam, Puss | 2 |
| Dennison Bros.' Dave Douglas, by Leinster; dam, Lily Simpson | 3 |
| H. Mooney's Nell Flaherty, by Vandal; dam, by Bayswater | 0 |

Time—1:58½.

RACE No. 11—TROTTING.

2:30 Class. Open to all. Purse, \$800. Mile heats, best three in five.

| | |
|--|---|
| H. S. Hogoboom's Waldstein, by Director; dam, Nellie W..... | 1 |
| G. W. Woodard's Laura Z, by Alex Button; dam, Black Dollie..... | 2 |
| M. Biggs, Jr.'s, Ed Biggs, by Brigadier; dam, thoroughbred..... | 3 |
| J. N. Anderson's Bay Wilkes, by Mambrino Wilkes; dam, by Frank Hunter..... | 4 |

Time—2:29½; 2:30; 2:30; 2:28½.

RACE No. 12—TROTTING.

Open to all four-year olds. Purse, \$200. Mile heats, best three in five.

| | |
|--|---|
| C. A. Durfee's McKinney, by Alcyone; dam, by Gov. Sprague..... | 1 |
| Hugh Willis' Our Jack, by Gibraltar; dam, Mattie W..... | 2 |
| G. B. Simpson's Le Grande, Jr., by Le Grande; dam, Belle Alta..... | 3 |

Time—2:37; 2:34; 2:37½.

SATURDAY, AUGUST 22, 1891.

RACE No. 13—RUNNING.

For two-year olds. Purse, \$100. Three quarters of a mile.

| | |
|--|---|
| Northern Stable's Kyrene, by Kyrle Daly; dam, Irene..... | 1 |
| Dennison Bros.' McGinty, by Prince of Norfolk; dam, Lizzie Idle..... | 2 |
| E. A. Neame's Myrtle, by King Daniels; dam, Mollie Rea..... | 3 |

Time—1:19.

RACE No. 14—TROTTING.

2:26 Class. Open to all. Purse, \$350. Mile heats, best three in five.

| | |
|--|---|
| T. C. Snider's Vidette, by Dave Hill, Jr.; dam, by Whipple's Hambletonian..... | 1 |
| George T. Johnson's Sargent, by Brown Jug; dam, by General Taylor..... | 2 |
| S. K. Trefry's Dinah, by Little Billy; dam, by Terror..... | 3 |

Time—2:29; 2:27½; 2:28½; 2:31; 2:26.

RACE No. 15—PACING.

2:20 Class. Open to all. Purse, \$300. Mile heats, best three in five.

| | |
|---|---|
| Hugh Willis' Our Dick, by Gibraltar; dam, Mattie W..... | 1 |
| G. W. Woodard's Belle Button, by Alex Button; dam, by Dietz' St. Clair..... | 2 |
| R. H. Newton's Tom Ryder, by Alex Button; dam, by Black Ralph..... | 3 |

Time—2:22½; 2:21; 2:25½; 2:26½.

SPECIAL TROTTING.

For Tehama County yearlings. Purse, \$100. Half-mile heats, best two in three.

| | |
|--|---|
| Wietfeldt & Mount's Escort, by Guide; dam, May Girl, by May Boy..... | 1 |
| William Million's Auditor, by Ante Up; dam, Express..... | 2 |
| John B. McLane's El Primero, by Ante Up; dam, Norfolk mare..... | 3 |

Time—1:49; 1:44½.

TRANSACTIONS

OF THE

THIRTY-FIRST DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the County of Ventura.

OFFICERS OF THE ASSOCIATION.

| | |
|---------------------|------------|
| JOHN G. HILL..... | President. |
| THOS. H. MERRY..... | Secretary. |
| THOS. J. GREGG..... | Treasurer. |

DIRECTORS.

| | |
|---------------------|--------------|
| JOHN G. HILL..... | Montalvo. |
| THOMAS R. BARD..... | Hueneme. |
| C. H. McKEVETT..... | Santa Paula. |
| F. E. DAVIS..... | Santa Paula. |
| D. T. PERKINS..... | Hueneme. |
| LEON LEHMANN..... | Hueneme. |
| J. B. PALIN..... | Springville. |
| WM. I. RICE..... | Nordhoff. |

REPORT.

HUENEME, November 17, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Thirty-first District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

THOS. H. MERRY,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|-------------------------------|------------|-------------------|
| Admissions to the Park | \$1,580 50 | |
| Sale of privileges | 708 85 | |
| Entrance money to races | 1,162 50 | |
| Sale of material | 100 00 | |
| Money overpaid in races | 50 00 | |
| Donation, Thomas Clark | 10 00 | |
| Donation, J. P. Mehn | 5 00 | |
| Donation, W. S. Saviers | 3 00 | |
| State appropriation | 2,000 00 | |
| | | \$5,619 85 |
| To balance—deficiency | | 300 56 |
| | | <u>\$5,920 41</u> |

Expenditures.

| | | |
|--|------------|-------------------|
| Cash paid for premiums | \$1,261 00 | |
| Printing and lithographing | 129 53 | |
| Telegraph and telephone service | 11 20 | |
| Postage | 12 85 | |
| Express charges | 23 55 | |
| Stationery Secretary's office | 11 80 | |
| Labor and employes | 240 45 | |
| Decorations at Pavilion | 21 00 | |
| Flags and fixtures for Pavilion | 119 62 | |
| Cots and beds for visitors | 161 00 | |
| Labor at the hall | 7 90 | |
| Painting sign | 5 00 | |
| Fountain and plumbing | 45 90 | |
| Carpenter work in Pavilion | 18 00 | |
| Straw, baling, and hauling | 82 00 | |
| Expenses of Secretary | 8 75 | |
| Thos. R. Moore—for "Breeder and Sportsman" | 30 00 | |
| Hueneme Band, music | 185 00 | |
| Dues, National Trotting Association | 25 00 | |
| Advertising | 155 00 | |
| Lumber for tables, etc., in Pavilion | 33 86 | |
| Salary of Secretary | 200 00 | |
| Cash paid purses | 2,530 00 | |
| Rent of Fair grounds, Pavilion, etc. | 600 00 | |
| | | \$5,918 91 |
| Collecting State appropriation | | 1 50 |
| Total expenditures | | <u>\$5,920 41</u> |

THIRTY-FIRST DISTRICT AGRICULTURAL ASSOCIATION.

By T. H. MERRY, Secretary.

This being the first report made by the Thirty-first District Agricultural Association to the State Board of Agriculture, it may not be out of place to give a brief outline—a first chapter, as it were—of its origin and existence. When the present State Constitution went into effect on January 1, 1880, it became necessary that all institutions deriving moneys from the State by legislative appropriations should become State institutions. On April 15, 1880, the Act providing for the formation of District Agricultural Associations was approved and became a law. The State was then divided into eleven districts. The county of Ventura, with Los Angeles, San Diego, San Bernardino, Santa Barbara, and Inyo, constituted the Sixth Agricultural District. But Los Angeles was the bright and beautiful planet around which revolved the other counties as mere satellites, casting rays of light and beauty to the central planet, but receiving naught in return. The very great extent of territory within the Sixth District, reaching from the ocean to the eastern boundary line of the State, and its varied interests, were elements of weakness rather than of strength, so gradually by legislative enactments one by one of these counties have become divorced from the central figure, and set up housekeeping, or, more properly, fair keeping, for themselves, until now Los Angeles stands alone as constituting the Sixth District. For eleven years the county of Ventura remained loyal to Los Angeles and formed part of the Sixth District.

The fairs of the district were always held in Los Angeles, and the State appropriations were expended there, the people of Ventura County realizing or deriving no benefit whatever therefrom. A few horsemen attended the races, and their experience in the Angelic City was such that they always found it expedient to buy round-trip tickets to insure their speedy return to the loved ones at home.

During these eleven years Ventura County, without a boom, but by intrinsic merit alone, made progress with rapid strides; her population had more than doubled, her assessment roll had quadrupled. The value of her exports—the products of the soil alone—then exceeded those of any county in Southern California. The people of the county began to realize the value and importance of the goodly heritage they possessed. It was at this time that a few of the leading and enterprising citizens of Hueneme put their heads together and conceived the idea of making Ventura County an agricultural district of itself. To this end, on the twenty-eighth of November, 1890, a public meeting was held in the Hueneme public hall, the matter was fully discussed, and resulted in the formation of an agricultural association. When the State Legislature met in January, 1891, Hon. Thos. A. Rice, Assemblyman from Ventura and Kern Counties, introduced a bill, which had been previously prepared, creating an additional agricultural district. There were then twenty-nine districts in the State. Other counties were of the

same mind, and so other bills were introduced for the same purpose. These several bills were merged into one omnibus bill, dividing the State into thirty-seven agricultural districts, of which Ventura was the thirty-first. The writer, by reason of his legislative experience, was asked to go to Sacramento and assist our able representative in the passage of the bill, and in securing an appropriation in aid of the new district, in all of which he was eminently successful.

Then came the struggle to secure Directors favorable to the location of the fair at Hueneme, for some of the prominent gentlemen of Ventura suddenly awoke to the notion that the Agricultural Fairs ought to be held at the county seat, and a delegation was sent to Sacramento to effect this, to them, desirable end. Compromises were offered them, only to be rejected. Governor Markham, desiring to do justice to both sides, appointed the following gentlemen to constitute the first Board of Directors: Thomas R. Bard, of Hueneme; W. S. Chaffee, of Ventura; D. T. Perkins, of Las Posas; C. H. McKeveit, of Santa Paula; J. B. Palin, of Springville; J. K. Gries, of Nordhoff; John G. Hill, of Montalvo, and Leon Lehmann, of Hueneme. Mr. J. K. Gries declined to serve, and F. E. Davis, of Santa Paula, was appointed in his place.

As thus constituted, the Board of Directors met on April 11, 1891, and organized by the election of John G. Hill, President; T. H. Merry, Secretary, and T. J. Gregg, Treasurer. They also at that meeting adopted by-laws and rules as required by law, and Hueneme was fixed as the place for the holding of the annual fairs of the association. Subsequently W. S. Chaffee resigned, and William I. Rice was appointed a Director to succeed him.

The Directors and the people of Hueneme finding themselves with a fair on their hands, went to work zealously and energetically to make it a success. Mr. Leon Lehmann having previously bought one hundred and eight acres of alkali land, nearly level, and in close proximity to Hueneme, had the year before started to make a race track thereon, which he generously offered to the association for what it cost; but much remained to be done, and all went to work with a will.

With little soliciting on the part of the Secretary, fifty-seven of the prominent farmers of the valley and business men of Hueneme applied for life membership in the association, each paying \$50 therefor. But much work was necessary on the fair grounds. Fifty box stalls for race horses were put up first; these buildings formed three sides of a parallelogram. A space still larger, and of the same strip, was covered with one hundred and fifty box and single stalls for exhibition stock, all boarded up and roofed, and with suitable mangers in each stall. An artesian well sunk to the depth of one hundred and fifty feet supplied an abundance of pure water, sufficient for all the stock and for sprinkling the track and the fair grounds. A grand stand, capable of comfortably seating seven hundred people, was erected, with an addition still larger, which was converted into a pavilion for exhibition purposes, and other necessary buildings were also put up.

The date of the fair had been fixed for September 22d to 25th, but much work yet remained to be done. The Directors and Secretary worked hard to make the fair a success, and now they waited anxiously for the result, not without misgivings, for it was an untried experiment. On Monday, the 21st, exhibits began to pour in, and stock began to arrive in large numbers. Skillful and willing hands had converted the

Pavilion into a bower of beauty with lovely flowers and evergreens; bunting, in streamers and festoons, hung from the ceilings and walls, while from four flagstuffs on the roof there floated in the pure south-land breeze the proud flags of our country—the glorious stars and stripes—and over the main entrance another flag, with “Thirty-first District” in large letters. Tuesday, September 22d, the opening day of the fair, came all too soon, for the preparations were barely completed, and exhibitors were tardy, as usual; but many hands soon arranged everything, and when the doors of the Pavilion swung open for the admission of the public a scene of surpassing beauty was presented. On the right of the entrance was the Secretary’s office and Entry Clerk, and on the right was a large dressing-room for ladies; passing these you entered the exhibition hall. On the right of the main entrance was the art gallery, every inch of the space taken up by very creditable exhibits; beyond this was a large space devoted to the Ladies’ Department, which was filled to repletion with fancy work of every kind and description known to the feminine mind, and executed by skillful hands, the silk crazy quilts being there, too. Beyond this was the space allotted to musical instruments, jewelry, and fancy articles; then the large displays of elegant furniture, harness, saddlery, etc. Then, facing the main entrance once more, there the visitor beheld such a display of farm products of Ventura County as only the most favored counties of our fair California can produce. Stalks of corn sixteen feet high, corn shelled and in immense ears, barley, wheat, oats, and beans in endless variety, huge squashes claimed the attention of visitors—every product of our soil was there in abundant display. Beyond this was the space occupied by horticulture and viticulture. There were long tables covered with the finest fruit imaginable. The grapes of the Sespe were particularly noticeable, but the display of peaches from the Cañada Larga was the admiration of all. The display of this luscious fruit could not be excelled by any shown at the State Fair, or at any of the district fairs in the most favored localities for fruit growing. Other varieties of fruits were there in glorious abundance, and one longed to taste them to know if they tasted as good as they looked; but “hands off” stared us in the face everywhere, and this warning was necessary to keep our inclinations in check. In the center of the Pavilion a large and handsomely decorated fountain made music pleasant to the ear, and the clear artesian water fell in spray on lovely lilies and bright-colored gold fish. Cups were there, that the thirsty might avail themselves of the pure and sparkling water to quench their thirst, and these were always in good demand. The fine display of palms and tropical plants, the exhibit of Webber & Clayburg, of Santa Paula, added much to the beauty of the place. But, if the fruits were tempting, what shall be said of the goodly array of jellies, preserves, pickles (sweet and sour), cakes, pies, bread, golden butter, and the hundred exhibits in the Culinary Department, prepared by the fair hands of Ventura County’s lovely matrons and sweet maidens? It was a splendid display.

The baby show and other attractions drew an immense crowd on Thursday, the third day of the fair. Twenty-three lovely babies competed for the elegant silver cups offered as prizes by the association, and two pairs of twins each received a pair of silver cups. The Pavilion became so packed that it was necessary to have the babies and their fond and anxious mothers out of it; and so the baby show was held out

of doors, that the admiring crowd might have a chance to see the "darlings" without placing their precious lives in jeopardy. A very prominent Director of the association had been appointed manager of this department, and he performed his difficult task with such consummate skill, that disappointment sat lightly on mothers whose babies did not receive the prizes.

The stock show was also very fine, particularly the horses—thoroughbreds, standards, and roadsters, also draft and the more useful "horses for all purposes." The cattle exhibited were fine, but were not as numerous as we would desire. Hardison's Holsteins made a good showing, as did a few others. The poultry show was small and inferior. The races, or, more properly, "speed contests," were very good, and gave very general satisfaction. The fine mile track, the only one in the county, was in splendid condition, and the soil seems to be particularly well adapted to this purpose.

But we have already by far exceeded the limit intended for this imperfect description of the first fair of the Thirty-first District. There was no longer any doubt; Ventura County's first fair was a complete success. An enthusiastic individual declared it "a howling success," and so it was. The horse men and exhibitors were all liberally treated, and went away well satisfied and with only words of praise for the association's first effort at fair-holding. If one quarter of the promises that have been made for next year are realized, the second fair of the Thirty-first District will be more than a success. All hail, Hueneme! the little gem town by the seaside! She never does anything by halves. Come again, kind friends, and receive our cordial welcome.

LIFE MEMBERS OF THE THIRTY-FIRST DISTRICT AGRICULTURAL ASSOCIATION.

The following residents of Ventura County, having paid \$50 to the Thirty-first District Agricultural Association, are life members thereof:

| | |
|-------------------------------|--------------------------------------|
| Thomas R. Bard, Hueneme. | A. L. Gordon, Springville. |
| Wm. M. Zeller, Hueneme. | A. B. Smith, Las Posas. |
| D. T. Perkins, Hueneme. | Jacob Maulhardt, New Jerusalem. |
| C. B. Greenwell, Hueneme. | John Borchard, New Jerusalem. |
| A. Levy, Hueneme. | Alex. Gill, Hueneme. |
| H. W. Witman, Hueneme. | Leroy Arnold, Hueneme. |
| Leon Lehmann, Hueneme. | Mike Flynn, Springville. |
| M. L. Wolff, Hueneme. | Thomas Bell, New Jerusalem. |
| C. T. Gilger, Hueneme. | H. L. Mahan, Simi. |
| J. E. McCoy, Hueneme. | Charles Pitcher, Hueneme. |
| W. O. Pitts, Hueneme. | Mrs. W. R. Broome, Guadalupe Rancho. |
| S. L. Mack, Hueneme. | James Rasmussen, Hueneme. |
| Thos. J. Gregg, Hueneme. | Caspar Borchard, Hueneme. |
| John G. Hill, Montalvo. | Daniel Gilger, Hueneme. |
| Dr. O. V. Sessions, Hueneme. | W. H. Roach, New Jerusalem. |
| Ed. A. Chambers, Hueneme. | John Scarlett, Jr., New Jerusalem. |
| Donlon Brothers, Hueneme. | Geo. E. Saviers, Hueneme. |
| R. G. Livingston, Hueneme. | B. H. Korts, Hueneme. |
| Thos. A. Rice, New Jerusalem. | F. A. Snyder, Las Posas. |
| G. E. Kaltreyer, Hueneme. | Z. Graham, New Jerusalem. |
| W. S. Saviers, Hueneme. | D. McGrath, New Jerusalem. |
| Thomas Cloyne, Hueneme. | J. E. Borchard, New Jerusalem. |
| J. P. Mehn, Hueneme. | W. O. Wood, Springville. |
| Z. D. Shipman, Hueneme. | A. Schappa-Pietra, Ventura. |
| Matt. H. Arnold, Hueneme. | C. H. McKevett, Santa Paula. |
| C. H. Wilson, Hueneme. | W. L. Hardison, Santa Paula. |
| T. H. Merry, Hueneme. | P. L. Byers, Santa Paula. |
| Robert Bell, Springville. | A. D. Russell, Conejo. |
| J. B. Palin, Springville. | Wm. I. Rice, Nordhoff. |
| Thomas Clark, Springville. | |

PREMIUMS AWARDED—1891.

LIVE STOCK DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|---------|
| THOROUGHBRED HORSES. | | |
| Best stallion, four years old and over..... | John G. Hill, Montalvo..... | \$20 00 |
| Best stallion, three years old..... | T. A. Case, Camulos..... | 15 00 |
| Best stallion, two years old..... | John G. Hill, Montalvo..... | 6 00 |
| Best mare, four years old and over, first and second premiums..... | John G. Hill, Montalvo..... | 23 00 |
| Best mare, three years old..... | John G. Hill, Montalvo..... | 10 00 |
| First and second best mares, two years old..... | John G. Hill, Montalvo..... | 9 00 |
| Best mare, one year old..... | John G. Hill, Montalvo..... | 4 00 |
| Best suckling colt..... | John G. Hill, Montalvo..... | 2 00 |
| Best stallion and four colts..... | John G. Hill, Montalvo..... | 15 00 |
| STANDARD HORSES. | | |
| Best stallion, four years old..... | Thomas Clark, Springville..... | 20 00 |
| Best stallion, three years old..... | John E. McCoy, Hueneme..... | 15 00 |
| Best stallion, two years old..... | W. L. Hardison, Santa Paula..... | 6 00 |
| Second best..... | John E. McCoy, Hueneme..... | 3 00 |
| Best mare, four years old and over..... | W. L. Hardison, Santa Paula..... | 15 00 |
| Second best..... | W. L. Hardison, Santa Paula..... | 8 00 |
| Best mare, three years old..... | Chas. T. Gilger, Hueneme..... | 10 00 |
| Best mare, one year old..... | John G. Hill, Montalvo..... | 4 00 |
| Second best..... | W. L. Hardison, Santa Paula..... | 2 00 |
| Best suckling colt..... | John G. Hill, Montalvo..... | 2 00 |
| Second best..... | W. L. Hardison, Santa Paula..... | 1 00 |
| ROADSTER HORSES. | | |
| Best stallion, four years old..... | Henry Delaney, Hueneme..... | 20 00 |
| Second best..... | John G. Hill, Montalvo..... | 10 00 |
| Best stallion, two years old..... | John G. Hill, Montalvo..... | 6 00 |
| Second best..... | Henry Delaney, Hueneme..... | 3 00 |
| Best stallion, one year old..... | Mike Flynn, Springville..... | 4 00 |
| Second best..... | John G. Hill, Montalvo..... | 2 00 |
| Best mare, four years old..... | A. Levy, Hueneme..... | 15 00 |
| Second best..... | W. L. Hardison, Santa Paula..... | 8 00 |
| Best mare, two years old..... | Linwood L. Clark, Springville..... | 6 00 |
| Best filly, one year old..... | John G. Hill, Montalvo..... | 5 00 |
| Second best..... | John Scarlett, Jr., Colonia..... | 3 00 |
| Best suckling colt..... | A. Levy, Hueneme..... | 2 00 |
| Second best..... | John G. Hill, Montalvo..... | 1 00 |
| Best matched span..... | J. B. Palin, Springville..... | 15 00 |
| Second best..... | Charles Donlon, Hueneme..... | 7 00 |
| Best stallion and four colts..... | J. B. Palin, Springville..... | 15 00 |
| Second best..... | John G. Hill, Montalvo..... | 8 00 |
| Best single roadster..... | John G. Hill, Montalvo..... | 5 00 |
| Best yearling..... | W. L. Hardison, Santa Paula..... | 5 00 |
| DRAFT HORSES. | | |
| First and second best stallions, four years old..... | A. Callens, Hueneme..... | 30 00 |
| Best stallion, three years old..... | A. Callens, Hueneme..... | 10 00 |
| Second best..... | A. D. Russell, Conejo..... | 5 00 |
| Best stallion, two years old..... | A. Callens, Hueneme..... | 6 00 |
| Second best..... | Titus Phillips, Simi..... | 3 00 |
| Best mare, four years old..... | Titus Phillips, Simi..... | 15 00 |
| Second best..... | Mike Flynn, Springville..... | 8 00 |
| Best mare, three years old..... | Titus Phillips, Simi..... | 10 00 |
| First and second best suckling colts..... | Titus Phillips, Simi..... | 2 00 |
| Best matched double team for all purposes..... | Ed. F. Merry, Hueneme..... | 15 00 |
| Best stallion and four colts..... | Titus Phillips, Simi..... | 15 00 |

LIVE STOCK DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|----------|
| CARRIAGE HORSES. | | |
| Best carriage team | Ralph Hill, Montalvo | \$15 00 |
| Second best | John G. Hill, Montalvo | 8 00 |
| Best single carriage horse | J. B. Palin, Springville | 8 00 |
| Second best | Charles Donlon, Hueneme ..... | ..... |
| HORSES FOR ALL PURPOSES. | | |
| Best stallion, four years old | R. W. Poindexter, Simi | 20 00 |
| Second best | John G. Hill, Montalvo | 8 00 |
| Best mare, two years old | I. W. Dixon, San Pedro | 6 00 |
| Best suckling colt | John G. Hill, Montalvo | 2 00 |
| Second best | John G. Hill, Montalvo ..... | ..... |
| Best stallion and four colts | John G. Hill, Montalvo | 15 00 |
| PONIES. | | |
| Best span of matched ponies | T. J. Gregg, Hueneme | 10 00 |
| Best single pony | T. J. Gregg, Hueneme | 5 00 |
| SADDLE HORSES. | | |
| Best saddle horse | Felipe Rays, Guadaluca Rancho | 8 00 |
| Second best | Ed. Gonzales, Hueneme | 4 00 |
| MULES. | | |
| Best span of mules | P. J. Hobson, Santa Paula | 15 00 |
| THOROUGHBRED SHORT HORNS. | | |
| Best bull, three years old | Ralph Hill, Montalvo | 6 00 |
| JERSEY CATTLE. | | |
| Best Jersey, over one year old | Charles C. Perkins, Hueneme | 6 00 |
| Best Jersey calf | Charles C. Perkins, Hueneme | 3 00 |
| HOLSTEIN CATTLE. | | |
| Best bull, three years old | W. L. Hardison, Santa Paula | 10 00 |
| Best bull, two years old | W. M. Zeller, Hueneme | 8 00 |
| Best cow, three years old | W. L. Hardison, Santa Paula | 8 00 |
| Best Holstein herd | W. L. Hardison, Santa Paula | 15 00 |
| GRADED CATTLE. | | |
| Best graded cow | W. M. Zeller, Hueneme | 6 00 |
| Second best | A. Callens, Hueneme | 3 00 |
| SHEEP. | | |
| Best fleece of wool | Salvador Salaberri, Hueneme | 5 00 |
| SWINE. | | |
| Best Berkshire boar | W. M. Zeller, Hueneme | 10 00 |
| Best Berkshire sow | W. M. Zeller, Hueneme | 8 00 |
| POULTRY, ETC. | | |
| Best trio Light Brahmas | L. Lehmann, Hueneme | 2 00 |
| Best trio Buff Cochins | Ralph Hill, Montalvo | 2 00 |
| Second best | Ralph Hill, Montalvo | 1 00 |
| Best Brown Leghorns | L. Lehmann, Hueneme | 2 00 |
| Best trio Plymouth Rocks | Mrs. W. M. Zeller, Hueneme | 2 00 |
| Second best | L. Lehmann, Hueneme | 1 00 |
| Best Silver-spangled Hamburgs | N. J. Sanders, Santa Barbara | Diploma. |
| Best White-crested Polands | Mrs. E. O. Gerberding, Hueneme | \$2 00 |
| Largest turkey (forty pounds) | Mrs. W. M. Zeller, Hueneme | 2 00 |
| Second largest (thirty-nine pounds) | L. Lehmann, Hueneme | 1 00 |
| Largest trio geese | George Wiltfong, Hueneme | 3 00 |
| Second largest | L. Lehmann, Hueneme | 1 50 |
| Best trio Pekin ducks | W. B. Cooper, San Pedro | 2 00 |
| Best trio ducks, any variety | L. Lehmann, Hueneme | 1 00 |
| Best cage canary birds | Mrs. W. O. Pitts, Hueneme | 2 00 |
| Best cage Guinea fowls | L. Lehmann, Hueneme | 2 00 |
| Best Guinea pigs | L. Lehmann, Hueneme | 2 00 |
| Best rabbits | L. Lehmann, Hueneme | 2 00 |
| Best exhibit of fancy pigeons | N. J. Sanders, Santa Barbara | 4 00 |

FARM PRODUCTS.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|---------|
| Best exhibit of farm products..... | P. L. Byers, Santa Paula..... | \$10 00 |
| Second best..... | J. B. Alvord, New Jerusalem..... | 5 00 |
| Best exhibit of garden products..... | P. L. Byers, Santa Paula..... | 10 00 |
| Second best..... | J. B. Alvord, New Jerusalem..... | 5 00 |
| Best sample of wheat, fifty pounds..... | C. E. Hoar, Simi..... | 3 00 |
| Best sample of barley, fifty pounds..... | C. B. McCoy, Simi..... | 3 00 |
| Second best..... | C. E. Hoar, Simi..... | 1 00 |
| Best exhibit of oats..... | C. B. McCoy, Simi..... | 3 00 |
| Second best..... | T. J. Robison, Nordhoff..... | 1 00 |
| Best shelled yellow corn..... | P. L. Byers, Santa Paula..... | 3 00 |
| Best shelled white corn..... | P. L. Byers, Santa Paula..... | 3 00 |
| Best corn in the ear..... | A. Cassarini, Conejo..... | 3 00 |
| Second best..... | M. Atmore, Sespe..... | 1 00 |
| Best corn in stalk..... | W. S. Saviers, San Pedro..... | 3 00 |
| Best sweet corn..... | P. L. Byers, Santa Paula..... | 3 00 |
| Best shelled popcorn..... | P. L. Byers, Santa Paula..... | 3 00 |
| Second best..... | J. B. Alvord, New Jerusalem..... | 1 00 |
| Largest and heaviest squash..... | Charles Fairbanks, Hueneme..... | 3 00 |
| Second largest and heaviest..... | Ed. Geisler, New Jerusalem..... | 1 00 |
| Largest watermelon..... | Thomas Brown, Sespe..... | 1 00 |
| Second largest..... | P. L. Byers, Santa Paula..... | 50 |
| Best muskmelons..... | C. E. Hoar, Simi..... | 1 00 |
| Best exhibit of onions..... | T. H. Stewart, Saticoy..... | 3 00 |
| Second best..... | P. L. Byers, Santa Paula..... | 1 00 |
| Best exhibit of cabbage..... | J. B. Alvord, New Jerusalem..... | 3 00 |
| Second best..... | P. L. Byers, Santa Paula..... | 1 00 |
| Best exhibit of beets..... | Ed. Geisler, New Jerusalem..... | 3 00 |
| Second best..... | P. L. Byers, Santa Paula..... | 1 00 |
| Best exhibit of carrots..... | W. B. Cooper, San Pedro..... | 3 00 |
| Second best..... | J. B. Alvord, New Jerusalem..... | 1 00 |
| Best exhibit of tomatoes..... | Mrs. T. B. Shepperd, Ventura..... | 3 00 |
| Second best..... | J. B. Alvord, New Jerusalem..... | 1 00 |
| Best exhibit of mangel-wurzel beets..... | W. B. Cooper, San Pedro..... | 3 00 |
| Second best..... | P. L. Byers, Santa Paula..... | 1 00 |
| Best exhibit of red peppers..... | J. B. Alvord, New Jerusalem..... | 3 00 |
| Second best..... | P. L. Byers, Santa Paula..... | 1 00 |
| Best exhibit of lima beans..... | J. B. Alvord, New Jerusalem..... | 3 00 |
| Second best..... | P. L. Byers, Santa Paula..... | 1 00 |
| Best exhibit of beans, any variety..... | J. B. Alvord, New Jerusalem..... | 3 00 |
| Second best..... | P. L. Byers, Santa Paula..... | 1 00 |
| Best exhibit of leaf tobacco..... | E. Barsot, Hueneme..... | 3 00 |
| Best exhibit of potatoes..... | P. L. Byers, Santa Paula..... | 3 00 |
| Second best..... | J. B. Alvord, New Jerusalem..... | 1 00 |
| Best exhibit of peanuts..... | P. L. Byers, Santa Paula..... | 3 00 |
| Second best..... | T. A. Rice, San Pedro..... | 1 00 |
| Best exhibit of eggplants..... | R. O. Hunt, Timberville..... | 2 00 |
| Second best..... | W. B. Cooper, San Pedro..... | 1 00 |
| Best exhibit of melon peach..... | W. B. Cooper, San Pedro..... | 1 00 |
| Best Egyptian corn..... | T. A. Rice, San Pedro..... | 2 00 |
| Second best..... | P. L. Byers, Santa Paula..... | 1 00 |
| Best Missouri pumpkin..... | P. L. Byers, Santa Paula..... | 1 00 |
| Best Hubbard squash..... | J. B. Alvord, New Jerusalem..... | 1 00 |
| Second best..... | P. L. Byers, Santa Paula..... | 50 |
| Best black-eyed peas..... | P. L. Byers, Santa Paula..... | 1 00 |
| Best cantaloupes..... | P. L. Byers, Santa Paula..... | 1 00 |
| Best exhibit of Japanese persimmons..... | P. L. Byers, Santa Paula..... | 1 00 |
| Best exhibit of tree beans..... | A. T. Steele, Saticoy..... | 1 00 |
| Best red-eyed beans..... | J. B. Alvord, New Jerusalem..... | 1 00 |
| Best Spanish white corn..... | C. B. McCoy, Simi..... | 1 00 |
| China red-eyed beans..... | J. B. Alvord, San Pedro..... | 1 00 |
| Best Spanish corn..... | C. B. McCoy, Simi..... | 1 00 |

DAIRY PRODUCTS.

| Exhibit. | Exhibitor. | Award. |
|---|---------------------------------|---------|
| Best exhibit of butter, fifty pounds..... | P. Confaglia, Conejo..... | \$10 00 |
| Second best..... | A. Cassarini, Conejo..... | 5 00 |
| Best single roll of butter..... | Mrs. D. Gilger, San Pedro..... | 3 00 |
| Second best..... | Mrs. W. M. Zeller, Hueneme..... | 1 00 |

VITICULTURE.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|----------------------------|--------|
| Best exhibit of table grapes..... | M. Atmore, Sespe..... | \$3 00 |
| Second best..... | Lewis Walker, Ventura..... | 1 00 |
| Best exhibit of wine grapes..... | M. Atmore, Sespe..... | 3 00 |
| Best exhibit of raisin grapes..... | M. Atmore, Sespe..... | 5 00 |
| Best raisins cured in the county..... | M. Atmore, Sespe..... | 5 00 |

MISCELLANEOUS PRODUCTS OF THE COUNTY.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------------|-----------------------------------|--------|
| Best pampas plumes..... | W. S. Lynn, Ventura..... | \$2 00 |
| Second best..... | Miss M. Stowell, Santa Paula..... | 1 00 |
| Best exhibit of walnuts..... | T. A. Rice, San Pedro..... | 2 00 |
| Best exhibit of extracted honey..... | P. L. Byers, Santa Paula..... | 2 00 |
| Second best..... | C. E. Hoar, Simi..... | 1 00 |
| Best exhibit of hops..... | H. Schütz, Hueneme..... | 2 00 |

CULINARY DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|---------------------------------|--------|
| Best exhibit of cakes..... | Mrs. Dan Gilger, Hueneme..... | \$3 00 |
| Best white cake..... | Mrs. Dan Gilger, Hueneme..... | 1 00 |
| Best cookies..... | Mrs. Dan Gilger, Hueneme..... | 1 00 |
| Best double crust pie..... | Mrs. Dan Gilger, Hueneme..... | 1 00 |
| Best single crust pie..... | Mrs. Dan Gilger, Hueneme..... | 1 00 |
| Best tarts..... | Mrs. Dan Gilger, Hueneme..... | 1 00 |
| Best exhibit of jellies in glass..... | Mrs. T. R. Bard, Hueneme..... | 3 00 |
| Best exhibit of fruits in glass..... | Miss Grace Atmore, Sespe..... | 4 00 |
| Second best..... | Mrs. Dan Gilger, Hueneme..... | 2 00 |
| Best exhibit of sweet pickles..... | Mrs. C. G. Witman, Hueneme..... | 2 00 |
| Best blackberry cordial..... | Miss Eliza Gross, Hueneme..... | 1 00 |
| Best Chile sauce..... | Miss Eliza Gross, Hueneme..... | 1 00 |
| Best grape jelly..... | Mrs. T. R. Bard, Hueneme..... | 1 00 |
| Second best..... | Miss Grace Atmore, Sespe..... | 50 |
| Best apple jelly..... | Miss Grace Atmore, Sespe..... | 1 00 |
| Second best..... | Mrs. C. G. Witman, Hueneme..... | 50 |
| Best raspberry jelly..... | Mrs. T. R. Bard, Hueneme..... | 1 00 |
| Best nectarine jelly..... | Mrs. T. R. Bard, Hueneme..... | 1 00 |
| Best blackberry jelly..... | Mrs. C. G. Witman, Hueneme..... | 1 00 |
| Second best..... | Mrs. T. R. Bard, Hueneme..... | 50 |
| Best crabapple jelly..... | Mrs. C. G. Witman, Hueneme..... | 1 00 |
| Second best..... | Mrs. T. R. Bard, Hueneme..... | 50 |
| Best plum jelly..... | Mrs. C. G. Witman, Hueneme..... | 1 00 |
| Best quince jelly..... | Miss Grace Atmore, Sespe..... | 1 00 |
| Second best..... | Mrs. C. G. Witman, Hueneme..... | 50 |

CULINARY DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|---------------------------------|--------|
| Best strawberry jam..... | Mrs. C. G. Witman, Hueneme..... | \$1 00 |
| Best plum jam..... | Mrs. C. G. Witman, Hueneme..... | 1 00 |
| Second best..... | Mrs. T. R. Bard, Hueneme..... | 50 |
| Best peach jam..... | Mrs. T. R. Bard, Hueneme..... | 1 00 |
| Best apricot jam..... | Mrs. T. R. Bard, Hueneme..... | 1 00 |
| Best figs in glass..... | Miss Grace Atmore, Sespe..... | 1 00 |
| Best crabapples in glass..... | Mrs. Dan Gilger, Hueneme..... | 1 00 |
| Best plums in glass..... | Mrs. Dan Gilger, Hueneme..... | 1 00 |
| Best blackberries in glass..... | Miss Grace Atmore, Sespe..... | 1 00 |
| SWEET PICKLES IN GLASS. | | |
| Best pickled pears..... | Mrs. C. G. Witman, Hueneme..... | 1 00 |
| Second best..... | Mrs. T. R. Bard, Hueneme..... | 50 |
| Best pickled figs..... | Mrs. C. G. Witman, Hueneme..... | 1 00 |
| Best pickled plums..... | Mrs. C. G. Witman, Hueneme..... | 1 00 |
| Best pickled tomatoes..... | Mrs. T. R. Bard, Hueneme..... | 1 00 |
| Second best..... | Mrs. C. G. Witman, Hueneme..... | 50 |
| Best pickled cucumbers..... | Mrs. C. G. Witman, Hueneme..... | 1 00 |
| Best pickled prunes..... | Mrs. C. G. Witman, Hueneme..... | 1 00 |
| Best pickled watermelons..... | Mrs. C. G. Witman, Hueneme..... | 1 00 |
| Best pickled peaches..... | Mrs. T. R. Bard, Hueneme..... | 1 00 |
| Second best..... | Mrs. C. G. Witman, Hueneme..... | 50 |
| Best apple butter..... | Miss Grace Atmore, Sespe..... | 1 00 |

LADIES' DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|--------------------------------------|--------|
| Best drawn rug..... | Mrs. J. R. McKenzie, Ventura..... | \$2 00 |
| Second best..... | Miss Lizzie Old, Hueneme..... | 1 00 |
| Best quilted bedspread..... | Mrs. Redding, Springville..... | 2 00 |
| Best crochet bedspread..... | Mrs. Fanny Petit, New Jerusalem..... | 2 00 |
| Second best..... | Mrs. T. A. Rice, San Pedro..... | 1 00 |
| Best silk crazy quilt..... | Mrs. S. L. Mack, Hueneme..... | 2 00 |
| Second best..... | Mrs. J. W. Gray, Hueneme..... | 1 00 |
| Best afghan..... | Mrs. W. E. Miller, Ventura..... | 2 00 |
| Second best..... | Miss Grace Atmore, Sespe..... | 1 00 |
| Best arrasene embroidery..... | Ralph Hill, Montalvo..... | 2 00 |
| Second best..... | Mrs. R. J. West, Ventura..... | 1 00 |
| Best chenille work..... | Mrs. Gugenheim, Ventura..... | 2 00 |
| Second best..... | Ralph Hill, Montalvo..... | 1 00 |
| Best outline embroidery..... | Mrs. W. M. Zeller, Hueneme..... | 2 00 |
| Second best..... | Mrs. James Hicks, Hueneme..... | 1 00 |
| Best ribbon embroidery..... | Miss L. Henderson, Santa Paula..... | 2 00 |
| Best embroidery, cotton or linen..... | Mrs. L. W. Gray, Hueneme..... | 2 00 |
| Second best..... | Miss Daisy Merry, Hueneme..... | 1 00 |
| Best tatting..... | Ralph Hill, Montalvo..... | 2 00 |
| Best crochet lace..... | Mrs. W. M. Zeller, Hueneme..... | 2 00 |
| Second best..... | Mrs. R. J. West, Ventura..... | 1 00 |
| Best crochet garment..... | Mrs. O. J. Sessions, Hueneme..... | 2 00 |
| Second best..... | Mrs. J. Leonard, New Jerusalem..... | 1 00 |
| Best knitted shawl..... | Miss E. McCleave, Hueneme..... | 2 00 |
| Second best..... | Mrs. J. C. Scott, Simi..... | 1 00 |
| Best knitted garment..... | Mrs. S. M. Padelford, Piru City..... | 2 00 |
| Second best..... | Mrs. H. H. Johnson, Hueneme..... | 1 00 |
| Best knitted lace..... | Miss E. Wiltfong, Hueneme..... | 2 00 |
| Second best..... | Mrs. H. H. Johnson, Hueneme..... | 1 00 |
| Best Spanish drawn work..... | Mrs. Frank Fazio, Ventura..... | 3 00 |
| Second best..... | Mrs. W. H. Bradley, Santa Paula..... | 1 50 |
| Best antique lace..... | Miss Pauline Cassarini, Conejo..... | 2 00 |
| Best silk embroidery..... | Mrs. J. M. Hanna, Ventura..... | 2 00 |
| Second best..... | Ralph Hill, Montalvo..... | 1 00 |
| Best wool flowers..... | Mrs. Frank Fazio, Ventura..... | 2 00 |
| Best hair work..... | Miss Anna Borchard, Hueneme..... | 2 00 |
| Best sea moss on card..... | Miss E. McCleave, Hueneme..... | 2 00 |
| Best sea moss design..... | Mrs. C. H. Wilson, Hueneme..... | 2 00 |

LADIES' DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------------|--|----------|
| Second best hand sewing | Mrs. A. J. Gillette, Hueneme | \$1 50 |
| Best plain machine sewing | Mrs. W. B. Cooper, San Pedro | 2 00 |
| Best pair pillow shams | Miss Pauline Cassarini, Conejo | 2 00 |
| Second best | Mrs. P. Confaglia, Conejo | 1 00 |
| Best suit ladies' underwear | Miss Daisy Merry, Hueneme | 3 00 |
| Best sofa pillow | Lizzie Henderson, Santa Paula | 2 00 |
| Second best | Mrs. Walter Carpenter, Hueneme | 1 00 |
| Best pincushion | Mrs. R. J. West, Ventura | 2 00 |
| Second best | Mrs. George Old, Hueneme | 1 00 |
| Best reticule | Miss Lizzie Old, Hueneme | 2 00 |
| Second best | Mrs. W. B. Cooper, San Pedro | 1 00 |
| Best purse | Mrs. W. B. Cooper, San Pedro | 2 00 |
| Best handkerchief | Mrs. P. Confaglia, Conejo | 2 00 |
| Second best | Miss Grace Atmore, Sespe | 1 00 |
| Best kensington work | Mrs. M. Newman, Springville | 2 00 |
| Best embroidered banner | Mrs. C. G. Witman, Hueneme | 2 00 |
| Best wall pocket | Mrs. C. G. Witman, Hueneme | 2 00 |
| Best drawn rug | Mrs. W. L. Hardison, Santa Paula | Diploma. |
| Best tidy | Mrs. T. R. Bard, Hueneme | Diploma. |
| Best fancy bag | Mrs. J. M. Hanna, Ventura | Diploma. |
| Best Roman cut work | Mrs. E. H. Willard, Santa Paula | Diploma. |
| Best rag carpet | Mrs. J. R. McKenzie, Ventura | Diploma. |

CHILDREN'S DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|------------------------------------|-------------------------------|--------|
| Best painting in oil | Chester Dixon, Hueneme | \$3 00 |
| Best drawing of figure | Blanche Rice, San Pedro | 2 00 |
| Second best | Madge Rice, San Pedro | 1 00 |
| Best kensington outline work | Annie Lander, Hueneme | 2 00 |
| Second best | Louise Barsat, Hueneme | 1 00 |
| Best outline work | Anna Levy, Hueneme | 2 00 |
| Second best | Addie Perrott, Hueneme | 1 00 |
| Best crochet work | Annie Lander, Hueneme | 2 00 |
| Second best | Edith Miller, Ventura | 1 00 |
| Best duster bag | Hazel Mack, Hueneme | 1 00 |
| Best kite | Herman Herbst, Hueneme | 1 00 |
| Best collection of shells | James Pitts, Hueneme | 1 00 |
| Best loaf of bread | Anna Perkins, Hueneme | 2 00 |
| Second best | Annie Lander, Hueneme | 1 00 |
| Best loaf of cake | Annie Lander, Hueneme | 2 00 |
| Best article not named | Little Workers, Saticoy | 2 00 |
| Second best | Annie Lander, Hueneme | 1 00 |

SCHOOL DEPARTMENT—(WORK OF PUPILS).

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------|--------|
| Best modeling in clay | Hueneme Public School | \$5 00 |
| Best primary work, first and second years | Hueneme Public School | 5 00 |
| Best primary work, third and fourth years | Hueneme Public School | 5 00 |
| Best primary work, fifth and sixth years | Hueneme Public School | 5 00 |
| Best primary work, seventh and eighth yrs. | Hueneme Public School | 5 00 |

FINE ARTS DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|--|----------|
| PROFESSIONALS. | | |
| Best portrait in oil | Miss Fanny Ogelsby, Ventura | Diploma. |
| Best marine painting in oil | Mrs. M. A. Sparks, Santa Paula | Diploma. |
| Best animals in oil | Miss Fanny Ogelsby, Ventura | Diploma. |
| Best flowers in oil | Miss Fanny Ogelsby, Ventura | Diploma. |
| Best landscape in oil | Mrs. M. A. Sparks, Santa Paula | Diploma. |
| Best pencil drawing | Mrs. H. K. Snow, Jr., N. Jerusalem | Diploma. |
| Best exhibit of photographs | J. C. Brewster, Ventura | Diploma. |
| Best crayon drawing | Mrs. H. K. Snow, Jr., N. Jerusalem | Diploma. |
| Best figure in oil | Mrs. Al. Foulkes, New Jerusalem | Diploma. |
| Best pastel drawing | Mrs. H. K. Snow, Jr., N. Jerusalem | Diploma. |
| AMATEURS. | | |
| Best portrait in oil | Mrs. George Old, Hueneme | \$2 50 |
| Best landscape in oil | Mrs. U. S. Wilson, Hueneme | 2 50 |
| Best marine painting in oil | Mrs. U. S. Wilson, Hueneme | 2 50 |
| Best animal painting in oil | Mrs. Al. Foulkes, New Jerusalem | 2 50 |
| Best fruit piece in oil | Miss Carrie L. Hicks, Hueneme | 2 50 |
| Best flower painting in oil | Ralph Hill, Montalvo | 2 50 |
| Best landscape in water colors | Miss Sarah Blanchard, Santa Paula | 2 50 |
| Best India ink drawing | Mrs. M. A. Sparks, Santa Paula | 2 50 |
| Best crayon drawing | Guy Hardison, Santa Paula | 2 50 |
| Best pencil drawing | Miss Daisy Merry, Hueneme | 2 50 |
| Best painting on velvet or plush | Miss Anna Borchard, Hueneme | 2 50 |
| Best painting on silk or satin | Mrs. T. A. Rice, San Pedro | 2 50 |
| Best colored photographs | Mrs. J. M. Hanna, Ventura | 2 50 |
| Best specimen of penmanship | Miss Daisy Merry, Hueneme | 2 50 |
| Best shorthand writing | A. J. Maulhardt, San Pedro | Diploma. |

MECHANICAL DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|------------------------------------|-----------------------------------|----------|
| Best double carriage harness | J. P. Mehn, Hueneme | \$3 00 |
| Best single carriage harness | J. P. Mehn, Hueneme | 3 00 |
| Best draft harness | J. P. Mehn, Hueneme | 3 00 |
| Decorative wood work | F. A. Sprague, Sespe | Diploma. |
| Best saddle | J. P. Mehn, Hueneme | \$2 00 |
| Best bridle and spurs | J. P. Mehn, Hueneme | Diploma. |
| Best exhibit of starch | Hueneme Starch Co., Hueneme | Diploma. |

MERCHANDISE DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|----------|
| Best display of furniture | Ventura Furniture Co., Ventura | Diploma. |
| Best display of pianos and organs | Bartlett Bros., Ventura | Diploma. |
| Best display of jewelry | Leroy Beckley, Santa Paula | Diploma. |
| Brown's rotary harrow | F. A. Sprague, Sespe | Diploma. |
| Best display of minerals | Samuel Pitts, Hueneme | Diploma. |
| Best incubator | George E. Phelps, Santa Ana | Diploma. |
| Patent farm gate | C. Tebbelman, Ventura | Diploma. |
| Regan vapor engine | A. C. Rynerson, Nordhoff | Diploma. |
| Exhibit of cork oak | M. Atmore, Sespe | \$1 00 |
| Exhibit of Sespe brown stone | M. Atmore, Sespe | 1 00 |

BABY SHOW—(Twenty-three Entries).

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|------------|
| Prize baby over twelve and under eighteen months..... | Mrs. Grant Falkenstein, Ventura... | Sil. cup. |
| Second prize baby over twelve and under eighteen months..... | Mrs. C. H. McKeveatt, Santa Paula. | Sil. cup. |
| Prize baby over six and under twelve months..... | Mrs. W. S. Saviers, San Pedro..... | Sil. cup. |
| Second prize baby over six and under twelve months..... | Mrs. Fred. Wells, Hueneme..... | Sil. cup. |
| Prize baby under six months..... | Mrs. F. J. King, Santa Paula..... | Sil. cup. |
| Second prize baby under six months..... | Mrs. Louis Pfiler, Hueneme..... | Sil. cup. |
| Prize twins over one year..... | Mrs. H. Peyton, Sespe..... | Sil. cups. |
| Prize twins under one year..... | Mrs. E. G. McMartin, Springville.. | Sil. cups. |

HORTICULTURAL DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|---------|
| FRUITS. | | |
| Best exhibit of fruit by one person..... | P. L. Byers, Santa Paula..... | \$15 00 |
| Best exhibit of apples..... | Lewis Walker, Ventura..... | 5 00 |
| Second best..... | M. Atmore, Sespe..... | 2 00 |
| Best exhibit of pears..... | Lewis Walker, Ventura..... | 5 00 |
| Second best..... | C. E. Hoar, Simi..... | 2 00 |
| Best exhibit of peaches..... | Lewis Walker, Ventura..... | 3 00 |
| Second best..... | M. Atmore, Sespe..... | 1 50 |
| Best exhibit of plums and prunes..... | Lewis Walker, Ventura..... | 3 00 |
| Second best..... | C. E. Hoar, Simi..... | 1 50 |
| Best exhibit of lemons..... | N. W. Blanchard, Santa Paula..... | 3 00 |
| Best exhibit of native bananas..... | J. G. Hill, Montalvo..... | 2 00 |
| Best exhibit of dried peaches..... | Lewis Walker, Ventura..... | 3 00 |
| Best exhibit of dried nectarines..... | Lewis Walker, Ventura..... | 3 00 |
| Second best..... | H. Hiller, Sespe..... | 1 00 |
| Best exhibit of dried apricots..... | H. Hiller, Sespe..... | 3 00 |
| Second best..... | Lewis Walker, Ventura..... | 1 00 |
| Best exhibit of raspberries..... | Mrs. W. M. Zeller, Hueneme..... | 2 00 |
| Best exhibit of strawberries..... | Mrs. W. M. Zeller, Hueneme..... | 2 00 |
| Second best..... | W. S. Lynn, Ventura..... | 1 00 |
| Best exhibit of blackberries..... | J. B. Alvord, New Jerusalem..... | 2 00 |
| Second best..... | W. S. Lynn, Ventura..... | 1 00 |
| Best exhibit of figs..... | M. Atmore, Sespe..... | 2 00 |
| Second best..... | Lewis Walker, Ventura..... | 1 00 |
| Best exhibit of palms..... | Clayburg & Webber, Santa Paula. | 5 00 |
| SPECIAL PREMIUMS. | | |
| Best exhibit of quinces..... | W. B. Cooper, San Pedro..... | 1 00 |
| Best exhibit of pomegranates..... | C. E. Hoar, Simi..... | 1 00 |
| Best exhibit of English medlars..... | Lewis Walker, Ventura..... | 1 00 |
| Best exhibit of mulberries..... | Lewis Walker, Ventura..... | 1 00 |
| Best exhibit of barberries..... | Mrs. W. M. Zeller, Hueneme..... | 1 00 |
| Best exhibit of chestnuts..... | Edith Old, Hueneme..... | 1 00 |
| Best exhibit of nectarines..... | C. E. Hoar, Simi..... | 1 00 |

SPEED PROGRAMME.

TUESDAY, SEPTEMBER 22, 1891.

RACE No. 1—RUNNING.

Purse, \$150. Half mile and repeat.

| | |
|---|------|
| M. A. Forster's b. g. Gambo, by Wildidler..... | 1 |
| F. Menchaca's b. g. Sid Law, by Robbery Boy..... | 2 |
| G. C. Sherman's bl. g. Midnight, by Accident..... | 3 |
| J. G. Hill's b. g. Bogam, by Wildidler..... | dis. |

Time—0:49½; 0:50.

RACE No. 2—RUNNING.

For two-year olds. Entrance, \$25; \$50 added. Half mile.

| | |
|---|---|
| M. A. Forster's b. g. C P, by Griffin..... | 1 |
| Thomas Ward's b. c. Santa Fe, by St. David..... | 2 |
| Moses Bryan's b. f. Cora P, by Sacramento..... | 3 |

Time—0:51½.

RACE No. 3—TROTTING.

Open to farmers' horses owned in the district, that have never been trained; owners to drive. Purse, \$100. Mile heats, best three in five.

| | |
|-----------------------------------|---|
| C. Lineberger's b. m. Puss..... | 1 |
| W. P. Saviers' s. g. Pat..... | 2 |
| L. Lineberger's g. m. Ribbon..... | 3 |
| H. W. Witman's b. m. Mollie..... | 4 |

Time—3:13½; 3:09; 3:08½; 3:08½.

RACE No. 4—TROTTING.

For yearlings. Purse, \$100. Half mile and repeat.

| | | |
|--|---|---|
| M. Flynn's g. c. H. M. Stanley, by Fearnought..... | 1 | 1 |
| J. G. Hill's s. c. Gumwood, by Sterlingwood..... | 2 | 2 |

Time—1:41½; 1:34½.

WEDNESDAY, SEPTEMBER 23, 1891.

RACE No. 5—RUNNING.

Hueneme Derby. Free for all. Purse, \$250. One mile and a quarter.

| | |
|--|---|
| F. Menchaca's ch. s. El Rayo, by Grinstead..... | 1 |
| Moses Bryan's ch. s. Moses B, by Leinster..... | 2 |
| J. G. Hill's b. f. Sid, by Sidarthur..... | 3 |
| Thos. A. Case's ch. s. Hock Hocking, Jr., by Hock Hocking..... | 0 |

Time—2:11½.

RACE No. 6—TROTTING.

2:40 Class. Purse, \$200. Mile heats, best three in five.

| | | | |
|---|---|---|---|
| J. E. McCoy's b. s. Ben Corbett, by William Corbett | 1 | 1 | 1 |
| James Mack's s. g. J B, by Wm. Corbett | 2 | 2 | 2 |

Time—2:40; 2:31½; 2:34½.

RACE No. 7—RUNNING.

Free for all. Purse, \$150. Five eighths of a mile and repeat.

| | |
|---|---|
| M. A. Forster's b. g. Gambo, by Wildidler | 1 |
| F. Menchaca's b. g. Sid Law, by Robbery Boy | 2 |
| J. G. Hill's g. g. Ben H, by Shiloh | 3 |

Time—1:05; 1:05.

RACE No. 8—TROTTING.

2:30 Class. Purse, \$200. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| Leon Lehmann's g. g. Leon, by A. W. Richmond | 1 | 1 | 1 |
| Walter S. Maben's g. s. Dick Richmond, by A. W. Richmond | 2 | 2 | 2 |

Time—2:28; 2:26½; 2:28.

THURSDAY, SEPTEMBER 24, 1891.

RACE No. 9—RUNNING.

For two-year olds. Purse, \$150. Three quarters of a mile.

| | |
|--|---|
| Thomas Ward's b. c. Santa Fe, by St. David | 1 |
| M. A. Forster's b. g. C P, by Griffin | 2 |
| Moses Bryan's b. f. Cora P, by Sacramento | 3 |

Time—1:21½.

RACE No. 10—TROTTING.

For two-year olds. Purse, \$150. Mile heats, best two in three.

| | | |
|---|---|---|
| Walter S. Maben's b. c. Harry Stamboul, by Stamboul | 1 | 1 |
| J. G. Hill's b. c. Ed. G, by A. W. Richmond | 2 | 2 |

Time—2:49½; 2:50.

FRIDAY, SEPTEMBER 25, 1891.

RACE No. 11—RUNNING.

Novelty race. Purse, \$25 for each of the first four quarters; \$50 for fifth quarter. One mile and a quarter.

| | |
|---|---|
| J. G. Hill's g. g. Ben H, by Shiloh | 1 |
| G. C. Sherman's blk. g. Midnight, by Accident | 2 |
| F. Menchaca's ch. s. El Raye, by Grinstead | 3 |
| C. W. Short's Rucker; pedigree unknown | 0 |

Time—Quarter, 0:24; half, 0:49½; three quarters, 1:17½; mile, 1:46; mile and a quarter, 2:16.

Ben H was first at fifth quarter; Midnight was first at first, second, third, and fourth quarters.

RACE No. 12—TROTTING.

For farmers' horses owned in the district, that have never been trained; owners to drive. Purse, \$100. Mile heats, best three in five.

| | |
|-----------------------------------|------|
| H. W. Witman's b. m. Mollie..... | 1 |
| W. S. Saviers' s. g. Pat..... | 2 |
| L. Lineberger's g. m. Ribbon..... | 3 |
| C. Lineberger's b. m. Fuss..... | dis. |

Time—3:02; 3:00; 3:01½.

RACE No. 13—TROTTING.

For double teams; owners to drive, each to carry two men. Purse, \$100. Mile heats, best two in three.

| | |
|--|---|
| C. A. Rice's Brilliant and Ed..... | 1 |
| J. B. Palin's Dewdrop and John Thompson..... | 2 |
| J. G. Hill's Jim and Jeff..... | 3 |

Time—3:06; 3:04.

RACE No. 14—TROTTING.

Purse, \$250. Mile heats, best three in five.

| | |
|---|---|
| James Beggs' s. g. J. B. by Wm. Corbett..... | 1 |
| Walter S. Maben's g. s. Sultandin, by Sultan..... | 2 |
| I. K. Fisher's g. s. Don Patricio, by A. W. Richmond..... | 3 |

Time—2:35; 2:37½; 2:38; 2:39.

RACE No. 15—TROTTING.

Consolation purse, \$100. Mile heats, best three in five.

| | |
|--|------|
| Henry Delaney's blk. s. Phoenix, by Barbero..... | 1 |
| Marsh Thompson's ch. g. Colonia, by Hamlet..... | 2 |
| B. F. Lavin's b. s. Fearnought, by Fearnought..... | dis. |

Time—2:52; 2:56; 2:53; 3:15.

RACE No. 16—RUNNING.

Consolation purse, \$150. One mile.

| | |
|--|---|
| J. G. Hill's g. g. Ben H, by Shiloh..... | 1 |
| F. Menchaca's b. s. Bruce, by Foxhall..... | 2 |
| T. A. Case's s. s. Hock Hocking, Jr., by Hock Hocking..... | 3 |
| M. A. Forster's b. g. C. P. by Griffin..... | 0 |
| J. G. Hill's b. g. Bogam, by Wildidler..... | 0 |

Time—1:47.

RACE No. 17—TROTTING.

For named horses. Purse, \$40. Mile heats, best two in three.

| | | |
|--|---|---|
| B. F. Lavin's b. s. Fearnought, by Fearnought..... | 1 | 1 |
| C. Lineberger's b. m. Fuss; pedigree unknown..... | 2 | 2 |

Time—3:10; 2:58.

TRANSACTIONS
OF THE
THIRTY-SECOND DISTRICT AGRICULTURAL ASSOCIATION
For the Year 1891,
Composed of the County of Orange.

OFFICERS OF THE ASSOCIATION.

| | |
|-----------------------|------------|
| J. E. PLEASANTS | President. |
| W. A. BECKETT | Secretary. |
| GEO. A. EDGAR | Treasurer. |

DIRECTORS.

| | |
|-----------------------|---------------|
| J. E. PLEASANTS | Santa Ana. |
| W. K. ROBINSON | Santa Ana. |
| R. J. BLEE | Santa Ana. |
| CASH HARVEY | Santa Ana. |
| SYLVANUS SMITH | Garden Grove. |
| GEO. B. BIXBY | Orange. |
| M. A. FORSTER | Capistrano. |
| N. H. MITCHELL | Anaheim. |

REPORT.

DECEMBER 31, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Thirty-second District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

W. A. BECKETT,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|------------------------------------|------------|-------------------|
| By entrance money | \$1,955 00 | |
| By gate receipts at Park | 1,240 70 | |
| By door receipts at Pavilion | 630 30 | |
| By privileges | 563 90 | |
| By grand stand tickets | 185 40 | |
| By bus line | 242 90 | |
| By season tickets | 148 50 | |
| By life members | 387 30 | |
| By rent of grounds | 75 00 | |
| By fines | 5 00 | |
| By State apportionment | 1,500 00 | |
| By note Commercial Bank | 2,800 00 | |
| By advertisements | 78 00 | |
| | | <u>\$9,802 00</u> |

Expenditures.

| | | |
|--|------------|-------------------|
| To premiums and purses | \$4,092 05 | |
| To running bus line | 144 30 | |
| To printing and advertising | 233 95 | |
| To hall rent | 105 75 | |
| To hay, straw, and grain | 156 55 | |
| To band | 175 00 | |
| To lighting hall | 82 40 | |
| To American Trotting Association | 30 00 | |
| To insurance | 40 00 | |
| To taxes | 12 25 | |
| To running expenses and labor | 336 75 | |
| To interest | 600 00 | |
| To permanent improvements | 3,506 00 | |
| To Secretary's salary | 150 00 | |
| To balance on hand | 87 00 | |
| | | <u>\$9,802 00</u> |

PREMIUMS AWARDED—1891.

DIVISION A—HORSES.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------|-----------|
| CLASS I—THOROUGHBREDS—STALLIONS. | | |
| Hock Hocking, Jr., three years old and over | Jas. Del Valle, Los Angeles | \$6 00 |
| CLASS II—STANDARD BREED—STALLIONS. | | |
| Silkwood, three years old and over | J. Willets, Santa Ana | 6 00 |
| Shadeland Hero, three years old and over | J. Bixby & Co., Long Beach | 4 00 |
| Ozroe, one year old | W. K. Robinson, Santa Ana | 4 00 |
| MARES. | | |
| Riceta, three years old and over | S. E. Hiskey, Santa Ana | 5 00 |
| Jennie June, three years old and over | W. K. Robinson, Santa Ana | 2 50 |
| Prescot, suckling | W. K. Robinson, Santa Ana | 2 00 |
| Acushla, suckling | W. K. Robinson, Santa Ana | 1 00 |
| FAMILIES. | | |
| Silkwood and five colts | J. Willets, Santa Ana | D. & 7 00 |
| —, dam and two colts | W. K. Robinson, Santa Ana | |
| Blackwood and five colts | J. Willets, Santa Ana | |
| CLASS III—ROADSTERS—STALLIONS. | | |
| Satinwood, three years old and over | S. E. Hiskey, Santa Ana | 5 00 |
| Black Knight, three years old and over | G. Bixby & Co., Orange | 2 50 |
| Benicia Boy, two years old | S. E. Hiskey, Santa Ana | 4 00 |
| Don Juan, two years old | W. K. Robinson, Santa Ana | 2 00 |
| Ben Hur, one year old | D. M. Dorman, Santa Ana | 3 00 |
| —, one year old | J. Willets, Santa Ana | 2 00 |
| Blee, suckling | W. K. Robinson, Santa Ana | 2 00 |
| Nutford, Jr., suckling | H. W. Sylvester, Santa Ana | 1 00 |
| MARES. | | |
| —, three years old and over | J. Willets, Santa Ana | 4 00 |
| Maggie R, three years old and over | J. R. McCloud, Tustin | 2 00 |
| Silky, one year old | S. E. Hiskey, Santa Ana | 2 00 |
| Lola, one year old | J. E. Pleasants, Santa Ana | 1 00 |
| —, suckling | G. W. Minter, Santa Ana | 1 00 |
| —, suckling | J. Willets, Santa Ana | |
| FAMILIES. | | |
| Dolly, with colt | G. W. Minter, Santa Ana | 5 00 |
| Desdemona, with colt | W. K. Robinson, Santa Ana | 3 00 |
| —, dam with two colts | S. E. Hiskey, Santa Ana | 5 00 |
| Eva W, dam with two colts | W. K. Robinson, Santa Ana | 3 00 |
| CLASS IV—DRIVING HORSES. | | |
| Single horse in harness | T. Jessup, Garden Grove | 5 00 |
| Pair matched carriage horses | J. Willets, Santa Ana | 8 00 |
| CLASS V—PONIES. | | |
| Stallion, three years old and over | A. R. Dresser, Santa Ana | 4 00 |
| Mare, three years old and over | A. R. Dresser, Santa Ana | 3 00 |
| Pair matched ponies | G. W. Minter, Santa Ana | 8 00 |
| CLASS VIII—GENERAL PURPOSES—STALLIONS. | | |
| —, three years old and over | J. Willets, Santa Ana | 5 00 |
| Mainspring, three years old and over | Geo. E. Morgan, Santa Ana | 3 00 |
| MARES. | | |
| —, three years old and over | F. Wakeham, Santa Ana | 4 00 |
| —, two years old | F. Wakeham, Santa Ana | 3 00 |

DIVISION A—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|----------------------------------|-----------|
| CLASS IX—DRAFT HORSES—THOROUGHBREED—STALLIONS. | | |
| Fearnaught, three years old and over | F. Wakeham, Santa Ana | \$6 00 |
| Fearnaught and five colts | F. Wakeham, Santa Ana | D. & 7 00 |
| CLASS X—DRAFT HORSES—MIXED BREEDS—STALLIONS. | | |
| Young Lincoln, three years old and over | Geo. E. Morgan, Santa Ana | 4 00 |
| De Honfleur, three years old and over | C. J. Hough, Garden Grove | 2 00 |
| —, two years old | Oliver Hill, Anaheim | 3 00 |
| —, two years old | Oliver Hill, Anaheim | 1 50 |
| —, suckling | Oliver Hill, Anaheim | 1 00 |
| —, suckling | C. C. Shaw, Santa Ana ..... | ..... |
| MARES. | | |
| —, two years old | R. Nankervis, Westminster | 2 00 |
| CLASS XI—CLEVELAND BAYS—STALLIONS. | | |
| Rideland Baron, three years old and over | Waffle & West, Santa Ana | 6 00 |
| Dononlin, three years old and over | J. Bixby & Co., Long Beach | 3 00 |
| CLASS XII—MULES. | | |
| Pair matched mules | Henry Leck, Tustin | 5 00 |

DIVISION B—CATTLE.

| Exhibit. | Exhibitor. | Award. |
|---|----------------------------------|----------|
| CLASS II—HOLSTEINS. | | |
| Bull, two years old and over | Henry West, Orange | \$5 00 |
| Bull, two years old and over | H. C. Pierce, Garden Grove | 2 50 |
| Bull, one year old | T. D. Cheeny, Balsa | 4 00 |
| Cow, two years old and over | H. C. Pierce, Garden Grove | 5 00 |
| Cow, two years old and over | Henry West, Orange | 2 50 |
| Best bull, any age | T. D. Cheeny, Balsa | Diploma. |
| Best cow, any age | H. C. Pierce, Garden Grove | Diploma. |
| CLASS III—JERSEYS. | | |
| Bull, two years old and over | Henry West, Orange | \$5 00 |
| Bull, two years old and over | A. E. Warner, Santa Ana | 2 50 |
| Bull calf | Henry West, Orange | 3 00 |
| Bull calf | W. T. Reed, Santa Ana | 2 00 |
| Cow, two years old and over | Henry West, Orange | 5 00 |
| Cow, two years old and over | W. T. Reed, Santa Ana | 2 50 |
| Heifer, one year old | J. L. Field, Orange | 4 00 |
| Heifer, one year old | Henry West, Orange | 2 00 |
| Best herd—one male and five females | Henry West, Orange | 5 00 |
| CLASS IV—GRADES. | | |
| Cow, two years old and over | C. C. Shaw, Santa Ana | 5 00 |
| Cow, two years old and over | A. E. Warner, Santa Ana | 2 50 |
| Heifer, one year old | C. C. Shaw, Santa Ana | 4 00 |
| Heifer calf | A. E. Warner, Santa Ana | 3 00 |

DIVISION C—GOATS.

| Exhibit. | Exhibitor. | Award. |
|--|----------------------------------|--------|
| CLASS I—ANGORA. | | |
| Male, two years old and over | J. E. Pleasants, Santa Ana | \$5 00 |
| Male, one year old | J. E. Pleasants, Santa Ana | 4 00 |
| Pen of females, two years old and over | J. E. Pleasants, Santa Ana | 5 00 |
| Pen of kids | J. E. Pleasants, Santa Ana | 4 00 |

DIVISION D—SWINE.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------------|---------------------------------|--------|
| CLASS I—BERKSHIRES. | | |
| Boar, one year old and over..... | Jas. L. Field, Orange..... | \$5 00 |
| Boar, under one year..... | J. W. Blee, Santa Ana..... | 3 00 |
| Boar, under one year..... | A. E. Warner, Santa Ana..... | 1 50 |
| Sow, one year old and over..... | J. E. Pleasants, Santa Ana..... | 4 00 |
| Sow, under one year..... | J. E. Pleasants, Santa Ana..... | 3 00 |
| Pair pigs under eight months..... | A. E. Warner, Santa Ana..... | 4 00 |
| Pair pigs under eight months..... | Jas. L. Field, Orange..... | 2 00 |
| CLASS II—POLAND-CHINA. | | |
| Sow, one year old and over..... | T. Jessup, Garden Grove..... | 4 00 |
| CLASS III—CHESTER WHITES. | | |
| Boar, one year old and over..... | T. Jessup, Garden Grove..... | 4 00 |
| Sow, one year old and over..... | T. Jessup, Garden Grove..... | 4 00 |
| Sow and five pigs..... | T. Jessup, Garden Grove..... | 5 00 |
| Pair of pigs under eight months..... | T. Jessup, Garden Grove..... | 4 00 |
| Best boar, any age..... | J. L. Field, Orange..... | 5 00 |
| Best sow, any age..... | T. Jessup, Garden Grove..... | 5 00 |

DIVISION E—POULTRY AND PETS.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|--------------------------------------|--------|
| CLASS I—BARRED PLYMOUTH ROCKS. | | |
| Best hen..... | Mrs. T. Wamsley, Orange..... | \$1 00 |
| Best breeding pen..... | Mrs. F. Martin, Garden Grove..... | 1 00 |
| CLASS II—ASIATICS. | | |
| Black Langshan cock..... | Mrs. H. W. Sylvester, Santa Ana..... | 1 00 |
| Black Langshan hen..... | Mrs. H. W. Sylvester, Santa Ana..... | 1 00 |
| Black Langshan cockerel..... | Mrs. J. W. McLellan, Santa Ana..... | 1 00 |
| Black Langshan pullet..... | Mrs. H. W. Sylvester, Santa Ana..... | 1 00 |
| Black Langshan breeding pen..... | Mrs. J. W. McLellan, Santa Ana..... | 1 00 |
| White Langshan cockerel..... | Mrs. J. W. McLellan, Santa Ana..... | 1 00 |
| White Langshan pullet..... | Mrs. J. W. McLellan, Santa Ana..... | 1 00 |
| Light Brahma cock..... | T. Jessup, Garden Grove..... | 1 00 |
| Light Brahma hen..... | T. Jessup, Garden Grove..... | 1 00 |
| Light Brahma cockerel..... | J. A. Oderlen, Santa Ana..... | 1 00 |
| Light Brahma pullet..... | T. Jessup, Garden Grove..... | 1 00 |
| Light Brahma breeding pen..... | T. Jessup, Garden Grove..... | 1 00 |
| CLASS III—MEDITERRANEANS. | | |
| White Leghorn hen..... | Mrs. T. Wamsley, Orange..... | 1 00 |
| White Leghorn pullet..... | Mrs. T. Wamsley, Orange..... | 1 00 |
| White Leghorn cockerel..... | G. B. Bixby & Co., Villa Park..... | 1 00 |
| White Leghorn breeding pen..... | G. B. Bixby & Co., Villa Park..... | 1 00 |
| Brown Leghorn cockerel..... | Mrs. J. E. Pleasants, Santa Ana..... | 1 00 |
| Brown Leghorn pullet..... | Mrs. T. Wamsley, Orange..... | 1 00 |
| Brown Leghorn breeding pen..... | Mrs. J. E. Pleasants, Santa Ana..... | 1 00 |
| Black Leghorn hen..... | Mrs. T. Wamsley, Orange..... | 1 00 |
| Black Leghorn cockerel..... | G. B. Bixby & Co., Villa Park..... | 1 00 |
| CLASS IV—POLISH. | | |
| Bearded Silver Polish hen..... | G. B. Bixby & Co., Villa Park..... | 1 00 |
| CLASS V—HAMBURGS. | | |
| Black Hamburg cock..... | Mrs. T. Wamsley, Orange..... | 1 00 |
| Black Hamburg hen..... | Mrs. T. Wamsley, Orange..... | 1 00 |
| Black Hamburg pullet..... | Mrs. T. Wamsley, Orange..... | 1 00 |
| CLASS VI—HOUDANS. | | |
| Houdan hen..... | G. B. Bixby & Co., Villa Park..... | 1 00 |

DIVISION E—Continued.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|--------------------------------------|--------|
| CLASS VII—GAMES. | | |
| Pit Game cock..... | Mrs. T. Wamsley, Orange..... | \$1 00 |
| Pit Game hen..... | J. A. Scarritt, Orange..... | 1 00 |
| Pit Game cockerel..... | Mrs. T. Wamsley, Orange..... | 1 00 |
| Pit Game pullet..... | J. A. Scarritt, Orange..... | 1 00 |
| Pit Game breeding pen..... | J. A. Scarritt, Orange..... | 1 00 |
| Black-breasted Red Pit Game cock..... | J. A. Scarritt, Orange..... | 1 00 |
| Black-breasted Red Pit Game hen..... | J. A. Scarritt, Orange..... | 1 00 |
| Black-breasted Game Bantam cock..... | J. A. Wilkes, Santa Ana..... | 1 00 |
| Black-breasted Game Bantam hen..... | J. A. Wilkes, Santa Ana..... | 1 00 |
| CLASS VIII—DUCKS. | | |
| Pekin drake..... | Mrs. J. E. Pleasants, Santa Ana..... | 1 00 |
| Pekin duck..... | Mrs. J. E. Pleasants, Santa Ana..... | 1 00 |
| Best pair ducks..... | Mrs. F. Martin, Garden Grove..... | 1 00 |
| CLASS IX—GESE. | | |
| Toulouse gander..... | Mrs. H. W. Sylvester, Santa Ana..... | 1 00 |
| Toulouse goose..... | Mrs. H. W. Sylvester, Santa Ana..... | 1 00 |
| Best pair Toulouse geese..... | Mrs. H. W. Sylvester, Santa Ana..... | 1 00 |
| CLASS X—PIGEONS AND PETS. | | |
| Pair Carrier pigeons..... | Mrs. T. Wamsley, Orange..... | 1 00 |
| Pair Guinea fowls..... | Mrs. H. W. Sylvester, Santa Ana..... | 1 00 |
| Pair canaries..... | Miss Mattie Anderson, Santa Ana..... | 1 00 |
| Collection of pets..... | Mrs. F. Martin, Garden Grove..... | 2 00 |

DIVISION H—TEXTILE FABRICS.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------------|--|--------|
| Best display of rugs..... | Mrs. B. F. Townsend, Garden Grove..... | \$1 00 |
| Best child's dress..... | Mrs. N. A. Clifford, Tustin..... | 50 |
| Best knit lace, cotton..... | Mrs. E. D. Waffle, Santa Ana..... | 50 |
| Best child's skirt..... | Mrs. O. S. Griffith, Santa Ana..... | 2 00 |
| Best sofa pillow, patchwork..... | Mrs. C. A. Westgate, Orange..... | 1 00 |
| Best Japanese silk quilt..... | Mrs. J. C. McCoy, Orange..... | 1 00 |
| Best knitted quilt..... | Mrs. J. Beach, Orange..... | 1 00 |
| Best silk quilt, plain..... | Mrs. M. Barrett, Santa Ana..... | 1 00 |
| Best quilt made by an old lady..... | Mrs. Eliza Lossing, Compton..... | 1 00 |
| Best specimen of quilting..... | Mrs. J. A. Scarritt, Orange..... | 1 00 |
| Best crib quilt..... | Mrs. J. A. Scarritt, Orange..... | 1 00 |
| Best gentleman's hat mark..... | Mrs. Sue Spencer, Santa Ana..... | 50 |
| Best table cover..... | Mrs. R. J. Blee, Santa Ana..... | 50 |
| Best silk embroidery..... | Mrs. W. P. Payne, Orange..... | 50 |
| Best pincushion..... | Mrs. E. G. Laidley, Orange..... | 50 |
| Best child's skirt embroidery..... | Mrs. E. G. Laidley, Orange..... | 1 00 |
| Best lady's skirt embroidery..... | Mrs. Hilmer, Westminster..... | 1 00 |
| Best arrasene and ribbon work..... | Minna Robinson, Garden Grove..... | 50 |
| Best chair cover..... | Mrs. M. Rhodes, Orange..... | 50 |
| Best collection of embroidery..... | Mrs. Dr. Fuller, Tustin..... | 1 00 |
| Best specimen of cross-stitch..... | Miss Carrie Stafford, Santa Ana..... | 50 |
| Best canvas tidy..... | Mrs. M. Barrett, Santa Ana..... | 50 |
| Best embroidered napkins..... | Miss Jones, Garden Grove..... | 50 |
| Best drawn work..... | Miss Julia Blasdale, Orange..... | 50 |
| Best display of crochet work..... | Miss May Cole, Newport..... | 1 00 |
| Best sofa pillow..... | Mrs. W. W. Anderson, Santa Ana..... | 1 00 |
| Best crochet basket..... | Miss Esther Heil, Santa Ana..... | 50 |
| Best lambrequins..... | Mrs. N. Porter, Santa Ana..... | 50 |
| Best carriage robe..... | Mrs. N. Porter, Santa Ana..... | 1 00 |
| Best crochet necktie..... | Miss Ida Shanks, Santa Ana..... | 50 |
| Best infant's socks..... | Mrs. E. D. Waffle, Santa Ana..... | 50 |
| Best cotton edging..... | Miss Carrie Stafford, Santa Ana..... | 50 |
| Best infant's sack..... | Mrs. Nellie Evey, Santa Ana..... | 1 00 |
| Best crochet shawl..... | Mrs. A. A. Toubly, Tustin..... | 1 00 |
| Best pair lamp mats..... | Miss Lutie Carlyle, Westminster..... | 50 |

DIVISION H—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|------------------------------------|--------|
| Best display of point lace | Mrs. Eugene Coutts, Orange | \$1 00 |
| Best point lace handkerchief | Mrs. Eugene Coutts, Orange | 50 |
| Best point lace cake cover | Mrs. Eugene Coutts, Orange | 50 |
| Best point lace collar | Mrs. Eugene Coutts, Orange | 50 |
| Best point lace vest | Mrs. Eugene Coutts, Orange | 50 |
| Best point lace collar and cuffs | Mrs. Eugene Coutts, Orange | 50 |
| Best pillow and sheet shams | Mrs. C. A. Westgate, Orange | 50 |
| Best handkerchief case | Miss Anderson, Santa Ana | 50 |
| Best photograph holder | Mrs. E. D. Waffle, Santa Ana | 50 |
| Best scrap bag | Carrie Kimball, Garden Grove | 50 |
| Best apron | Mrs. M. J. Layman, Santa Ana | 50 |
| Best fancy mat | Mrs. E. D. Waffle, Santa Ana | 50 |

DIVISION I—JUVENILE. (For children under fifteen years of age.)

| Exhibit. | Exhibitor. | Award. |
|--|--------------------------------------|--------|
| Best essay by pupil of the public schools .. | Lottie Smith, Garden Grove | \$3 00 |
| Second best | Harry Cooper, Orange | 2 00 |
| Sample of scroll sawing | Harry Cooper, Orange | ----- |
| Best kindergarten work | Stella Brock, Santa Ana | 2 00 |
| Best hand bag | Blanche Minter, Santa Ana | 50 |
| Best map of Orange County | Harry Chase, Santa Ana | 1 00 |
| Second best | Charles Stanton, Santa Ana | 50 |
| Best map of the State of California | Ernest Townsend, Garden Grove | 2 00 |
| Second best | Victor E. Zerman, Garden Grove | 1 00 |
| Best loaf of angel cake | Annie Payne, Orange | 1 00 |
| Best crochet lace | Hattie Bessinelter, Santa Ana | 50 |
| Best two dissimilar designs | Miller Moran, Santa Ana | 3 00 |
| Best sample of buttonhole work | Mary Spurgeon, Santa Ana | 1 00 |
| Best tidy, outline work | Ethel Howe, Santa Ana | 50 |
| Tidy, outline work | Lulu Minter, Santa Ana | 50 |
| Best splasher | Blanche Minter, Santa Ana | 50 |

DIVISION J—FINE ARTS.

| Exhibit. | Exhibitor. | Award. |
|--|---------------------------------------|--------|
| Landscape in oil | Miss Katie Wing, Garden Grove | \$1 00 |
| Flowers in oil | Miss Della Lockhart, Orange | 1 00 |
| Portrait in crayon | Miss Grace Spurgeon, Santa Ana | 50 |
| Portrait in oil | Miss Ella Congdon, Santa Ana | 1 00 |
| Landscape in crayon | Miss Grace Spurgeon, Santa Ana | 50 |
| Portrait in pencil | Eston Hilliker, Garden Grove | 50 |
| Figure in pencil | Miss M. Joslin, Orange | 50 |
| Figure in water color | Mrs. F. K. Ludlow, Santa Ana | 50 |
| Fruit in water color | Miss Grace Spurgeon, Santa Ana | 50 |
| Fruit in oil | Mrs. Nellie Carey, Santa Ana | 1 00 |
| Still life in oil | Evelyn Reeves, Santa Ana | 1 00 |
| Marine view in oil | Miss Jessie Savigney, Santa Ana | 1 00 |
| Figure in oil | A. H. Bibber, Orange | 1 00 |
| Animals in oil | Mrs. V. Montgomery, Santa Ana | 1 00 |
| Painted panel in oil | Mrs. V. Montgomery, Santa Ana | 1 00 |
| Painting on velvet in oil | Miss Allie Nickerson, Santa Ana | 50 |
| Painting on satin in water color | Mrs. F. K. Ludlow, Santa Ana | 50 |
| Painting on plush in oil | Mrs. F. K. Ludlow, Santa Ana | 50 |
| Painting on satin in oil | Mrs. Mattie Barrett, Santa Ana | 50 |
| Mounted sea shell work | Mrs. P. Thompson, Santa Ana | 1 00 |
| Mounted sea moss work | Mrs. P. Thompson, Santa Ana | 1 00 |
| Fish scale work | Miss Addie Merriam, Santa Ana | 2 00 |
| Display of mounted sea moss | Mrs. Sue Spencer, Santa Ana | 1 00 |
| Collection of unmounted moss | Mrs. Sue Spencer, Santa Ana | 1 00 |
| Display of shell work | Mrs. J. N. Loveland, Olive | 1 00 |
| Collection of star fish | Stuart Solander, Santa Ana | 50 |
| Collection of coin and paper money | S. H. Tichneal, Santa Ana | 1 00 |

DIVISION K—AGRICULTURAL PRODUCTS.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|--------|
| CLASS I—GRAIN. | | |
| Best half bushel large white corn | C. S. Gilbert, Garden Grove | \$2 00 |
| Best half bushel large yellow corn | F. G. Taylor, Santa Ana | 2 00 |
| Best half bushel small yellow corn | E. W. Felton, Santa Ana | 2 00 |
| Best half bushel small white corn | J. A. Oderlin, Santa Ana | 2 00 |
| Best bale alfalfa hay | Chas. Taylor, Orange | 2 00 |
| Best half bushel oats | J. C. Joplin, Tustin | 2 00 |
| Best display of cotton | Jas. Sturges, Garden Grove | 1 00 |
| CLASS II—VEGETABLES. | | |
| Best six sugar beets | R. M. Hargrave, Santa Ana | 3 00 |
| Best six salsify plants | S. J. Murdock, Westminster | 1 00 |
| Best six yellow cucumbers | J. J. Pyles, Westminster | 1 00 |
| Best box peck peppers for pickles | S. J. Murdock, Westminster | 1 00 |
| Best half bushel potatoes, Burbank Seed- lings | W. T. Butterfield, Westminster | 1 00 |
| Best half bushel potatoes, Rural Blush | A. J. Chaffee, Garden Grove | 1 00 |
| Best display of lima beans | A. Guy Smith, Tustin | 1 00 |
| Best box red peppers | R. M. Hargrave, Santa Ana | 1 00 |
| Best watermelon | John Cubbon, Santa Ana | 1 00 |
| Best muskmelon | Fred. Mills, Garden Grove | 1 00 |
| Best peck yellow onions | Jacob Hamen, Buena Park | 1 00 |
| Best peck white onions | Jacob Hamen, Buena Park | 1 00 |
| Best display of pumpkins | J. L. Field, Orange | 1 00 |
| Best display of Hubbard squash | W. T. Butterfield, Westminster | 1 00 |
| Best display of stock beets | J. L. Field, Orange | 1 00 |
| Best display of flowering plants | Mrs. Geo. Edgar, Santa Ana | 5 00 |
| Best display of cut flowers | Mrs. C. A. Barton, Santa Ana | 1 00 |
| Best bouquet of flowers | Mrs. Edna Briston, Santa Ana | 1 00 |

DIVISION L—DAIRY PRODUCTS.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|------------------------------------|----------|
| Best display of butter | Mrs. P. D. Young, Orange | \$1 00 |
| Best display of cheese | Mrs. F. J. Hill, Santa Ana | 2 00 |
| Best display of creamery butter | J. W. Wilson, Westminster | Diploma. |
| Best domestic white bread | Mrs. R. Penfold, Santa Ana | \$2 00 |
| Best domestic rye bread | Mrs. Sue Spencer, Santa Ana | 2 00 |
| Best domestic corn bread | Mrs. Sue Spencer, Santa Ana | 2 00 |
| Best domestic brown bread | Mrs. James Fullerton, Orange | 2 00 |
| Best raised biscuits | Mrs. James Fullerton, Orange | 2 00 |
| Best plain cake | Mrs. James Fullerton, Orange | 2 00 |
| Best display of cake | Mrs. James Fullerton, Orange | 2 00 |
| Best soda biscuits | Mrs. Sue Spencer, Santa Ana | 2 00 |
| Best refined amber syrup | J. A. Whittaker, Buena Park | Diploma. |

DIVISION M—FRUITS.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------------|--------|
| CLASS I—GREEN FRUIT. | | |
| Best dozen White Winter Pearmain apples | Mrs. S. Lyman, Westminster | \$1 00 |
| Best dozen Ben Davis apples | Mrs. S. Lyman, Westminster | 1 00 |
| Best dozen Gravenstein apples | James Sturges, Garden Grove | 1 00 |
| Best dozen Bellflower apples | S. Penfold, Santa Ana | 1 00 |
| Best dozen Yellow Newtown Pippin apples | S. Waters, Westminster | 1 00 |
| Best dozen Rhode Island Greening apples | S. Waters, Westminster | 1 00 |
| Best dozen Jonathan apples | James Sturges, Garden Grove | 1 00 |
| Best dozen Skinner's Seedling apples | James Sturges, Garden Grove | 1 00 |

DIVISION M—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|--------|
| Best dozen Arkansaw Black apples | Mrs. S. Lyman, Westminster | \$1 00 |
| Best dozen Nickajack apples | Mrs. S. Lyman, Westminster | 1 00 |
| Best general display of apples | Mrs. S. Lyman, Westminster | 2 50 |
| Best dozen Bartlett pears | J. N. Glines, Westminster | 1 00 |
| Best dozen Seckel pears | E. C. Phelps, Westminster | 1 00 |
| Best dozen Winter Nelis pears | E. C. Phelps, Westminster | 1 00 |
| Best display of pears | William Lamson, Westminster | 2 50 |
| Best ten pounds White Smyrna figs | C. P. Taft, Orange | 1 00 |
| Best ten pounds White Adriatic figs | S. Penfold, Santa Ana | 1 00 |
| Best general display of figs | C. P. Taft, Orange | 2 00 |
| Best display of peaches | W. A. Insley, Westminster | 1 00 |
| Best display of Japanese plums | A. J. Chaffee, Garden Grove | 1 00 |
| Best display of prunes | J. C. Joplin, Tustin | 1 00 |
| Best display of olives | H. F. Gardner, Orange | 1 00 |
| Best display of American persimmons | J. C. Joplin, Tustin | 1 00 |
| Best display of Japanese persimmons | C. P. Taft, Orange | 1 00 |
| Best display of pomegranates | R. M. Hargrove, Santa Ana | 1 00 |
| Best display of guavas | H. F. Gardner, Orange | 1 00 |
| Best display of quinces | Ira Woodman, Garden Grove | 1 00 |
| Best display of green fruit | J. C. Joplin, Tustin | 5 00 |
| Best display of Muscat grapes | Jas. Sturges, Garden Grove | 1 00 |
| Best display of Tokay grapes | A. Guy Smith, Tustin | 1 00 |
| Best display of lemons | H. K. Snow, Tustin | 2 00 |
| Best display of cured lemons | Dr. W. B. Wall, Tustin | 2 00 |
| CLASS II—DRIED AND PRESERVED FRUITS. | | |
| Best display of dried apricots | C. P. Taft, Orange | 2 00 |
| Best display of dried figs | C. P. Taft, Orange | 2 00 |
| Best display of dried berries | C. P. Taft, Orange | 2 00 |
| Best display of dried peaches | C. P. Taft, Orange | 2 00 |
| Best display of dried apples | A. Guy Smith, Tustin | 2 00 |
| Best display of crystallized fruits | F. A. Gates, Garden Grove | 2 00 |
| Best display of canned blackberries | Mrs. M. Rhodes, Orange | 1 00 |
| Best display of canned peaches | J. C. Joplin, Tustin | 1 00 |
| Best display of canned pears | J. C. Joplin, Tustin | 1 00 |
| Best display of canned plums | J. C. Joplin, Tustin | 1 00 |
| Best display of canned apricots | J. C. Joplin, Tustin | 1 00 |
| Best display of canned prunes | J. C. Joplin, Tustin | 1 00 |
| Best display of canned fruits | J. C. Joplin, Tustin | 1 00 |
| Best display of quince jelly | Mrs. E. P. Stafford, Santa Ana | 1 00 |
| Best display of blackberry jelly | Mrs. E. P. Stafford, Santa Ana | 1 00 |
| Best display of red currant jelly | Mrs. E. P. Stafford, Santa Ana | 1 00 |
| Best display of crabapple jelly | Mrs. Eliza White, Santa Ana | 1 00 |
| Best display of jellies | J. C. Joplin, Tustin | 2 50 |
| PICKLES, ETC. | | |
| Best display of onion pickles | Mrs. F. E. Grover, Fair View | 1 00 |
| Best display of cucumber pickles | J. C. Joplin, Tustin | 1 00 |
| Best display of mixed pickles | J. C. Joplin, Tustin | 1 00 |
| Best general display of mixed pickles | J. C. Joplin, Tustin | 2 50 |
| Best display of grape brandy | Joseph Young, Orange | 2 50 |
| Best display of white wine | Joseph Young, Orange | 2 00 |
| Best display of port wine | Joseph Young, Orange | 2 00 |
| Best display of claret wine | Joseph Young, Orange | 2 00 |
| Best fifty pounds English walnuts | Geo. W. Ford, Santa Ana | 4 00 |

DIVISION N—HONEY AND BEES.

| Exhibit. | Exhibitor. | Award. |
|---|----------------------------------|--------|
| Best display of beeswax | J. E. Pleasants, Santa Ana | ----- |
| Best display of extracted honey | Ira Woodman, Garden Grove | \$2 50 |
| Best display of comb honey | Ira Woodman, Garden Grove | 2 50 |
| Best display of comb foundation | J. A. Oderlin, Santa Ana | 2 50 |
| Best display of bees in hive | J. A. Oderlin, Santa Ana | 5 00 |
| Best display of semi-tropic trees | A. B. Eells, Garden Grove | 2 50 |

BABY SHOW.

| Exhibit. | Exhibitor. | Award. |
|---------------------------|---------------------------------------|--------|
| Prettiest girl baby | Mrs. George Weitz, Orange..... | \$5 00 |
| Second prettiest | Mrs. W. A. Beckett, Garden Grove..... | 2 50 |
| Prettiest boy baby | Mrs. Bush, Orange..... | 5 00 |
| Second prettiest | Mrs. Zimmerman, Santa Ana..... | 2 50 |

LADIES' EQUESTRIAN.

| Name of Rider. | Premium. | Award. |
|---|--------------------|---------|
| Miss Irene Savage, Whittier..... | First prize | \$37 00 |
| Mrs. George McElfresh, Los Angeles..... | Second prize | 25 00 |
| Mrs. L. Colby, Los Angeles..... | Third prize..... | 10 00 |
| Miss Ysidera Forster, Capistrano..... | Fourth prize..... | 6 00 |
| Miss Ynis Carpenter, Santa Ana..... | Fifth prize..... | 5 00 |
| Mrs. E. A. Ellis, Santa Ana..... | Sixth prize..... | 5 00 |

LOCALITY COMPETITION.

| Exhibit. | Exhibitor. | Award. |
|--|--------------------|---------|
| Best exhibit of agricultural and horticultural products from any one locality in Orange County | Orange | \$40 00 |
| Second best | Garden Grove | 30 00 |
| Third best | Tustin | 20 00 |
| Fourth best | Westminster | 10 00 |

SPEED PROGRAMME.

TUESDAY, SEPTEMBER 29, 1891.

RACE No. 1—RUNNING.

Free for all. Purse, \$100. Three eighths of a mile.

| | |
|--|---|
| M. A. Forster's F F, by Echo..... | 1 |
| D. Bridges' Amazon, by Bowhawks..... | 2 |
| J. F. Beam's Jim Duffy, by Woodbury..... | 3 |
| F. Menchaca's Sid Law, by Robbery Boy..... | 4 |

Time—0:35½.

RACE No. 2—RUNNING.

Free for all. Purse, \$200. Three quarters of a mile.

| | |
|---|---|
| F. Menchaca's El Rayo, by Grinstead..... | 1 |
| Al. Morine's Carmalita, by Hardwood..... | 2 |
| M. A. Forster's Zingarella, by Ed Corrigan..... | 3 |

Time—1:18¼.

RACE No. 3—TROTTING.

2:30 Class. Purse, \$300. Mile heats, best three in five.

| | | | |
|---|---|---|---|
| Santez Bros.' Dick Richmond, by A. W. Richmond..... | 1 | 1 | 1 |
| H. Delaney's Leon, by A. W. Richmond..... | 2 | 2 | 2 |
| D. Dwyer's Kate Castleton, by Ethan Allen..... | 3 | 3 | 3 |

Time—2:27; 2:24½; 2:23½.

RACE No. 4—TROTTING.

For road horses of Orange County, to cart. Purse, \$100. Mile heats, best two in three.

| | | |
|--|---|-----|
| J. Willets' Fleet; pedigree unknown..... | 1 | 1 |
| Cash Harvey's Lady Florence, by Othello..... | 2 | 2 |
| P. W. Hodge's Kate, by Odd Fellow..... | 3 | 3 |
| L. J. Felton's Cora M, by Echo..... | 4 | dis |

Time—2:57½; 2:46½.

WEDNESDAY, SEPTEMBER 30, 1891.

RACE No. 5—RUNNING.

For two-year olds. Purse, \$200. Five eighths of a mile.

| | |
|--|---|
| Dickey & Thomas' Pescador, by Gano..... | 1 |
| F. G. McNally's Capistrano, by Griffin..... | 2 |
| S. B. Stroud's Bridal Girl, by Clifton Bell..... | 3 |
| M. A. Forster's C P, by Griffin..... | 4 |
| Thomas Ward's Santa Fe, by St. David..... | 5 |

Time—1:05.

RACE NO. 6—TROTTING.

3:00 Class. Purse, \$250. Mile heats, best three in five.

| | | | | | |
|---|---|---|---|---|---|
| W. S. Maben's Waldo McGregor, by Rob Roy | 3 | 3 | 1 | 1 | 1 |
| J. Willets' Blackwood, by Protos | 2 | 1 | 2 | 3 | 4 |
| P. D. Jonas' Bob Mason, Jr., by Bob Mason | 1 | 2 | 4 | 4 | 2 |
| J. H. Kelly's Conn, by Inca | 4 | 4 | 3 | 2 | 3 |

Time—2:30½; 2:31; 2:30½; 2:31; 2:31.

RACE NO. 7—PACING.

2:28 Class. Purse, \$250. Mile heats, best three in five.

| | | | |
|---|---|---|---|
| Geo. Hinds' Rory O'More, by Judge Salisbury | 1 | 1 | 1 |
| N. Covarrubias' Hattie F, by Le Grande | 2 | 2 | 2 |

Time—2:31; 2:26½; 2:30½.

RACE NO. 8—RUNNING.

For saddle horses of Orange County. Purse, \$50. One quarter mile dash.

| | |
|---|---|
| Vic Yerba's Sweep, by Bowhawks | 1 |
| J. C. Serrano's Queen V, by Tiger | 2 |
| M. A. Forster's Gray Dick, pedigree unknown | 3 |

Time—0:23½.

THURSDAY, OCTOBER 1, 1891.

RACE NO. 9—RUNNING.

Free for all. Purse, \$200. One half mile and repeat.

| | |
|---------------------------------------|---|
| D. Bridges' Amazon, by Bowhawks | 1 |
| M. A. Forster's Gambo, by Wildidler | 2 |
| J. F. Beam's Jim Duffy, by Woodbury | 3 |
| F. Menchaca's Sid Law, by Robbery Boy | 0 |

Time—0:49½; 0:49½.

RACE NO. 10—TROTTING.

2:25 Class. Purse, \$300. Mile heats, best three in five.

| | | | | |
|---|---|---|---|---|
| H. Delaney's Leon, by A. W. Richmond | 2 | 1 | 1 | 1 |
| D. Dwyer's Kate Castleton, by Ethan Allen | 1 | 3 | 2 | 3 |
| R. Garnsey's Danger, by Odd Fellow | 3 | 2 | 3 | 2 |

Time—2:26½; 2:26; 2:25½; 2:27½.

SPECIAL RUNNING.

For named horses. Free purse, \$75. Three quarters of a mile.

| | |
|---|---|
| M. A. Forster's C P, by Griffin | 1 |
| Thomas Ward's Santa Fe, by St. David | 2 |
| S. B. Stroud's Bridal Girl, by Clifton Bell | 3 |

Time—1:19½.

FRIDAY, OCTOBER 2, 1891.

RACE NO. 12—RUNNING.

For two-year olds. Purse, \$200. Seven eighths of a mile.

| | |
|---|---|
| Dickey & Thomas' Pescador, by Gano | 1 |
| Thomas Ward's Santa Fe, by St. David | 2 |
| S. B. Stroud's Bridal Girl, by Clifton Bell | 3 |
| M. A. Forster's C P, by Griffin | 0 |

Time—1:35.

RACE NO. 13—RUNNING.

Free for all. Purse, \$300. One and one sixteenth miles.

| | |
|-------------------------------------|---|
| D. Bridges' John Treat, by Shiloh | 1 |
| M. S. Bryan's Moses B, by Leinster | 2 |
| F. Menchaca's El Rayo, by Grinstead | 3 |
| Al. Morine's Carmalita, by Hardwood | 0 |

Time—1:49½.

RACE NO. 15—TROTTING.

2:35 Class. Purse, \$250. Mile heats, best three in five.

| | | | | |
|--|---|---|---|---|
| W. S. Maben's Dick Richmond, by A. W. Richmond | 1 | 2 | 1 | 1 |
| P. J. Doyle's Miss Monroe, by Monroe Chief | 2 | 0 | 2 | 2 |
| J. Willets' Nemo, by Mambrino Messenger | 3 | 0 | 4 | 4 |
| P. D. Jonas' Bob Mason, Jr., by Bob Mason | 4 | 3 | 3 | 3 |

Time—2:27½; 2:29½; 2:29½; 2:29½.

SATURDAY, OCTOBER 3, 1891.

RACE NO. 16—TROTTING.

For two-year olds. Purse, \$200. Mile heats, best two in three.

| | | |
|--|---|---|
| K. D. Wise's Adelaide McGregor, by Bonnie McGregor | 1 | 1 |
| W. S. Maben's Native State, by Star Sultan | 2 | 2 |

Time—2:44½; 2:36½.

RACE NO. 18—TROTTING.

Free for all. Purse, \$400. Mile heats, best three in five.

| | | | |
|---|---|---|---|
| C. A. Durfee's McKinney, by Alcyone | 1 | 1 | 1 |
| K. D. Wise's Glendine; pedigree unknown | 2 | 2 | 2 |
| W. S. Maben's Lucy R, by Sultan | 3 | 3 | 3 |

Time—2:22½; 2:21½; 2:22.

TRANSACTIONS
OF THE
THIRTY-THIRD DISTRICT AGRICULTURAL ASSOCIATION
For the Year 1891,
Composed of the County of San Benito.

OFFICERS OF THE ASSOCIATION.

| | |
|---------------------|------------|
| F. A. CUNNING | President. |
| M. T. DOOLING | Secretary. |
| J. C. BARG | Treasurer. |

DIRECTORS.

| | |
|------------------------|------------|
| F. A. CUNNING | Hollister. |
| C. J. COX | Hollister. |
| R. I. ORR | Hollister. |
| J. T. LOWE | Hollister. |
| E. E. HOLBROOK | Hollister. |
| A. D. SHAW | Hollister. |
| THOMAS FLINT, JR. | San Juan. |
| P. L. NASH | Hollister. |

REPORT.

DECEMBER 1, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Thirty-third District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

M. T. DOOLING,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|-------------------------------------|------------|-------------------|
| From admission and entry fees | \$3,428 80 | |
| From State | 1,500 00 | |
| | | <u>\$4,928 80</u> |

Expenditures.

| | | |
|---|----------|-------------------|
| Paid out for premiums | \$472 50 | |
| Rent of Fair grounds | 200 00 | |
| Rent of Pavilion | 25 00 | |
| Decorating Pavilion and making booths | 278 92 | |
| Labor, watchman at Pavilion | 50 50 | |
| Entry clerks | 87 00 | |
| Advertising | 155 00 | |
| Water | 15 00 | |
| Watchmen at grounds | 32 00 | |
| Music | 75 00 | |
| Hay | 109 55 | |
| Lime | 16 00 | |
| Painting | 1 00 | |
| Paid out for purses | 1,866 00 | |
| Lumber for stalls, etc. | 726 52 | |
| Carpenter work, etc. | 119 00 | |
| Well boring | 187 50 | |
| Engine and pump | 302 50 | |
| Blacksmithing | 62 50 | |
| | | <u>\$4,561 49</u> |

PREMIUMS AWARDED—1891.

LIVE STOCK DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|--------|
| HORSES. | | |
| Thoroughbred stallion..... | T. Malarin, Hollister..... | \$3 00 |
| Roadster stallion, four years old..... | C. J. Cox, Hollister..... | 5 00 |
| Gelding, three years old..... | F. O. Nash, Hollister..... | 5 00 |
| Mare, two years old..... | P. E. G. Anzar, San Juan..... | 3 00 |
| Yearling colt..... | Donnelly & Dunne, Hollister..... | 2 50 |
| Mare, three years old..... | George E. Shaw, Hollister..... | 5 00 |
| Mare, with colt..... | A. D. Shaw, Hollister..... | 4 00 |
| Mare, with colt..... | Donnelly & Dunne, Hollister..... | 4 00 |
| Stallion, four years old..... | R. S. R. Clayton, Priest Valley..... | 7 50 |
| Stallion, four years old..... | I. McHenry, San Benito..... | 3 00 |
| Stallion, with three colts..... | R. I. Orr, Hollister..... | 7 50 |
| Mare, with three colts..... | A. D. Shaw, Hollister..... | 7 50 |
| Best stallion, any breed or age..... | C. J. Cox, Hollister..... | 5 00 |
| Second best stallion, any breed or age..... | R. I. R. Clayton, Priest Valley..... | 3 00 |
| Gelding..... | M. Jeffries, Hollister..... | 3 00 |
| Draft stallion..... | M. Jeffries, Hollister..... | 5 00 |
| Draft team..... | M. Jeffries, Hollister..... | 2 00 |
| Colt foaled in 1890..... | Donnelly & Dunne, Hollister..... | 2 50 |
| Buggy horse..... | C. O. Putnam, Hollister..... | 2 50 |
| Buggy team..... | Will Johnson, Hollister..... | 2 50 |
| Buggy team..... | Will Ladd, Hollister..... | 2 00 |
| Stallion, three years old..... | A. M. Hardin, Hollister..... | 3 00 |
| Mare..... | A. M. Hardin, Hollister..... | 5 00 |
| Suckling colt..... | R. I. Orr, Hollister..... | 2 00 |
| Suckling colt..... | P. H. Rockliff, Hollister..... | 1 50 |
| Stallion..... | G. S. Nash, Hollister..... | 5 00 |
| Mare, two years old..... | J. Ross, Hollister..... | 3 00 |
| Mare..... | P. H. Rockliff, Hollister..... | 3 00 |
| Jack and jenny..... | T. Wilson, Hollister..... | 2 00 |
| Jenny..... | Ray Prewett, Hollister..... | 1 00 |
| Mare..... | Donnelly & Dunne, Hollister..... | 5 00 |
| Mare..... | J. Ross, Hollister..... | 3 00 |
| CATTLE. | | |
| Jersey cow..... | R. Logan, Hollister..... | 3 00 |
| Holstein bull..... | Thomas Donovan, Hollister..... | 3 00 |
| Holstein heifer..... | Thomas Donovan, Hollister..... | 2 00 |
| Holstein bull, two years old..... | J. A. Scholefield, Hollister..... | 2 00 |
| Holstein bull, one year old..... | J. A. Scholefield, Hollister..... | 2 00 |
| Holstein bull calf..... | J. A. Scholefield, Hollister..... | 1 00 |
| Holstein cow..... | J. A. Scholefield, Hollister..... | 2 00 |
| Holstein cow..... | J. A. Scholefield, Hollister..... | 3 00 |
| Holstein cow..... | J. A. Scholefield, Hollister..... | 2 00 |
| Holstein cow, one year old..... | J. A. Scholefield, Hollister..... | 1 00 |
| Holstein heifer calf..... | J. A. Scholefield, Hollister..... | 2 00 |
| Graded cow..... | J. A. Scholefield, Hollister..... | 2 00 |
| POULTRY. | | |
| Black Spanish..... | W. K. Goff, Hollister..... | 2 00 |
| Houdans..... | W. K. Goff, Hollister..... | 2 00 |
| Black Leghorns..... | W. K. Goff, Hollister..... | 2 00 |
| White Leghorns..... | W. K. Goff, Hollister..... | 2 00 |
| Toulouse geese..... | W. K. Goff, Hollister..... | 2 00 |
| Bantams..... | W. Eppenheimer, Hollister..... | 2 00 |
| Golden Wyandottes..... | J. A. Scholefield, Hollister..... | 2 00 |
| Light Brahmas..... | J. A. Scholefield, Hollister..... | 2 00 |
| Partridge Cochins..... | J. A. Scholefield, Hollister..... | 2 00 |

LIVE STOCK DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------|------------------------------------|--------|
| Black Langshans | J. A. Scholefield, Hollister | \$2 00 |
| White Langshans | J. A. Scholefield, Hollister | 2 00 |
| Mottled Langshans | J. A. Scholefield, Hollister | 2 00 |
| Cochins and Wyandottes | J. A. Scholefield, Hollister | 2 00 |
| Breeding pen of chickens | W. Eppenheimer, Hollister | 2 00 |
| White Leghorns | William Dampman, Hollister | 3 00 |
| Light Brahmas | W. K. Goff, Hollister | 2 00 |

FARM PRODUCTS DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---------------------------|------------------------------------|--------|
| CEREALS, ETC. | | |
| Sheaf of barley | C. Sanderson, Tres Pinos | \$2 00 |
| Wheat | C. S. Putnam, Hollister | 2 00 |
| Alfalfa | C. S. Putnam, Hollister | 2 00 |
| Rye grass | C. S. Putnam, Hollister | 2 00 |
| Corn | C. S. Putnam, Hollister | 2 00 |
| Corn on stalk | Charles Worburton, Hollister | 1 00 |
| Tallest corn | M. Gibson, Hollister | 1 00 |
| Wild oats in sheaf | J. M. Jones, Hollister | 2 00 |
| Wheat in sheaf | J. M. Jones, Hollister | 2 00 |
| Wheat | George Lyman, Hollister | 1 00 |
| Corn in ear | R. O'Connor, Hollister | 2 00 |
| Collection of grain | Hollister Warehouse Company | 4 00 |
| Peanuts | D. Appleton, Hollister | 2 00 |
| Wheat | Thomas Donovan, Hollister | 2 00 |
| Barley | Thomas Donovan, Hollister | 2 00 |
| Wheat | T. L. Baldwin, Hollister | 2 00 |
| Alfalfa | William Torbert, Hollister | 2 00 |
| VEGETABLES. | | |
| Carrots | C. S. Putnam, Hollister | 1 00 |
| Carrots | C. Worburton, Hollister | 1 00 |
| Pumpkins | C. Worburton, Hollister | 1 00 |
| Pumpkins | Thomas Flint, Jr., San Juan | 1 00 |
| Pumpkins | J. A. Scholefield, Hollister | 1 00 |
| Squash | J. A. Scholefield, Hollister | 1 00 |
| Beets | M. Gibson, Hollister | 1 00 |
| Cucumbers | Dan Quibley, Hollister | 1 00 |
| Beets | George Lyman, Hollister | 1 00 |
| Squash | Thomas Flint, Jr., San Juan | 1 00 |
| Carrots | Thomas Flint, Jr., San Juan | 1 00 |
| Beets | Thomas Flint, Jr., San Juan | 1 00 |
| Pumpkins | Thomas Flint, Jr., San Juan | 1 00 |
| Pumpkins | N. F. Gobar, Hollister | 1 00 |
| Potatoes | R. O'Connor, Hollister | 1 00 |

HORTICULTURAL DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---------------------------|--------------------------------|---------|
| Collection of wines | Wm. Palmtag, Hollister | \$10 00 |
| Pears | Wm. Palmtag, Hollister | 2 50 |
| Figs | Wm. Palmtag, Hollister | 1 50 |
| Plums | Wm. Palmtag, Hollister | 2 50 |
| Wine grapes | Wm. Palmtag, Hollister | 2 50 |
| Dried prunes | Thos. Donovan, Hollister | 2 50 |
| Dried apples | Thos. Donovan, Hollister | 2 00 |
| Dried pears | Thos. Donovan, Hollister | 2 00 |
| Dried apricots | Thos. Donovan, Hollister | 2 00 |
| Dried peaches | Thos. Donovan, Hollister | 2 00 |
| Nuts | Thos. Donovan, Hollister | 1 00 |
| Apples | Thos. Donovan, Hollister | 1 00 |
| Apples | J. Ricker, Hollister | 1 00 |

HORTICULTURAL DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------|------------------------------------|--------|
| Apples | G. Brown, Hollister | \$1 00 |
| Apples | A. Bowden, Hollister | 1 00 |
| Pickled grapes | Mrs. McCray, Hollister | 1 00 |
| Preserved fruits | F. M. Noble, Hollister | 2 50 |
| Canned fruits | Mrs. McCroskey, Hollister | 5 00 |
| Preserved fruits | Mrs. McCroskey, Hollister | 5 00 |
| Jellies | Mrs. McCroskey, Hollister | 5 00 |
| Pickles | Mrs. McCroskey, Hollister | 2 50 |
| Jellies | J. A. Scholefield, Hollister | 2 50 |
| Peaches | Mrs. McCroskey, Hollister | 2 50 |
| Table grapes | Mrs. McCroskey, Hollister | 2 50 |
| Apples | J. B. Swan, Hollister | 4 00 |
| Horticultural display | J. A. Scholefield, Hollister | 10 00 |
| Pears | Geo. Tremain, San Juan | 2 50 |
| Pears | T. Malarin, Hollister | 5 00 |
| Quinces | Wm. Cogne, Hollister | 1 50 |
| Quinces | M. Gibson, Hollister | 2 50 |
| Grapes | Wm. Torbert, Hollister | 1 00 |
| Salway peaches | L. B. Lathrop, Hollister | 1 00 |
| Almonds | L. B. Lathrop, Hollister | 1 00 |
| Display of dried fruits | Thos. Flint, Jr., San Juan | 10 00 |
| Nuts | Thos. Flint, Jr., San Juan | 2 50 |
| Persimmons | Thos. Flint, Jr., San Juan | 1 00 |
| Figs | Thos. Flint, Jr., San Juan | 1 00 |
| Fresh prunes | Thos. Flint, Jr., San Juan | 2 50 |
| Green apples | Thos. Flint, Jr., San Juan | 2 00 |
| Figs | A. Eaton, Hollister | 2 50 |
| Jar of pears | T. McMahon, Hollister | 2 50 |

MECHANICAL DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-------------------------|------------------------------|--------|
| Tug-hook | John Booth, Hollister | \$2 50 |
| Swivel-hook | Jim Gray, Hollister | 2 50 |
| Rustic chairs | Chas. Sairs, Hollister | 1 00 |
| Carriage painting | G. Agnew, Hollister | 5 00 |
| Horseshoes | A. Eaton, Hollister | 5 00 |

MINERAL DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|----------------|--------------------------------|--------|
| Coal | G. B. Tolman, Panoche | \$2 50 |
| Coal | Ed. Tongue, Panoche | 2 00 |
| Minerals | George Vaughn, Hollister | 5 00 |

JUVENILE DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------|----------------------------------|--------|
| Peaches | A. B. Lathrop, Hollister | \$1 00 |
| Quinces | J. Cogne, Hollister | 1 00 |
| Lambrequin | E. Rickard, Hollister | 1 00 |
| Pumpkins | F. Hodges, Hollister | 1 00 |
| Spanish work | E. Duncan, Hollister | 1 00 |
| Dress | M. Duncan, Hollister | 2 50 |
| Almonds | Earl Swan, Hollister | 1 00 |
| Potatoes | H. Hubbard, Hollister | 1 00 |
| Bread | E. McCroskey, Hollister | 2 50 |
| Bread | Jennie Gould, Hollister | 1 00 |
| Drawing | Hattie Cornwell, Hollister | 2 50 |

JUVENILE DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|--------------|---------------------------------|---------|
| Drawing..... | Thomas Towle, Hollister..... | \$1 00. |
| Drawing..... | S. J. Ware, Hollister..... | 1 00. |
| Drawing..... | Ellen Geoch, Hollister..... | 1 00. |
| Drawing..... | Annie Cowden, Hollister..... | 1 00. |
| Writing..... | Sammie Jeffries, Hollister..... | 3 00. |
| Writing..... | May Oliver, Hollister..... | 2 00. |

DAIRY DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-------------|-----------------------------------|---------|
| Cheese..... | Canfield Bros., San Juan..... | \$2 50. |
| Cheese..... | C. S. Putnam, Hollister..... | 2 00. |
| Butter..... | Mrs. McCroskey, Hollister..... | 2 50. |
| Butter..... | J. A. Scholefield, Hollister..... | 2 00. |

FANCY WORK DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|----------------------------------|---|---------|
| Spanish work..... | Mrs. Hubler, Mulberry..... | \$3 00. |
| Fish-scale work..... | Mrs. Briggs, Hollister..... | 1 00. |
| Hair wreath..... | Mrs. Briggs, Hollister..... | 2 00. |
| Filoselle work..... | Mrs. Briggs, Hollister..... | 2 00. |
| Honiton lace..... | Mrs. Briggs, Hollister..... | 2 00. |
| Quilt..... | E. Wharry, Hollister..... | 2 00. |
| Coverlet..... | E. Wharry, Hollister..... | 2 00. |
| Quilt..... | Mrs. T. Campbell, Hollister..... | 2 00. |
| Tidy..... | Mrs. B. Heiss, Bear Valley..... | 1 00. |
| Tinsel embroidery..... | Mrs. B. Heiss, Bear Valley..... | 1 00. |
| Spread..... | Miss F. Conover, Hollister..... | 1 50. |
| Baby afghan..... | J. M. Pickett, Hollister..... | 2 00. |
| Aprons..... | Mrs. Hollingberry, Hollister..... | 1 50. |
| Knitted lace..... | S. F. Leavitt, Hollister..... | 2 00. |
| Crochet tidy..... | Mrs. Bryant, San Benito..... | 1 00. |
| Tulle work..... | Mrs. Briggs, Hollister..... | 1 50. |
| Arrasene work..... | Miss F. Conover, Hollister..... | 2 00. |
| Knitted counterpane..... | Miss Witten, Hollister..... | 1 50. |
| Afghan..... | Mrs. Flint, Hollister..... | 2 00. |
| Embroidery and hemstitching..... | Miss S. Flint, Hollister..... | 1 50. |
| Skirt..... | Miss S. Flint, Hollister..... | 2 00. |
| Tidy..... | Mrs. Denver, Hollister..... | 1 00. |
| Scarfs..... | Mrs. Hamilton, Hollister..... | 1 50. |
| Air castle..... | Mrs. J. W. Towle, Hollister..... | 1 00. |
| Sofa pillows..... | Mrs. Dampman, Hollister..... | 2 00. |
| Fire screen..... | Mrs. Archibald, Hollister..... | 2 00. |
| Silk painting..... | Mrs. McCarthy, Hollister..... | 2 00. |
| Banner..... | Mrs. Lowe, Hollister..... | 1 00. |
| Glove case..... | Mrs. Cox, Hollister..... | 1 00. |
| Scarf..... | Mrs. Cox, Hollister..... | 2 00. |
| Bridle rein..... | Mrs. Hague, Hollister..... | 1 00. |
| Chenille work..... | Mrs. Oesterthe, Hollister..... | 1 00. |
| Scarf..... | Mrs. Patterson, Hollister..... | 1 00. |
| Skirt..... | Mrs. H. Shaw, Hollister..... | 2 00. |
| Baby dress..... | Mrs. L. B. Hawkins, Hollister..... | 1 00. |
| Rugs..... | Mrs. Gillespie, Hollister..... | 1 00. |
| Wreath..... | Mrs. J. Snibley, Hollister..... | 1 00. |
| Spanish work..... | Mrs. W. E. Hawkins, Hollister..... | 1 50. |
| Crazy quilt..... | Mrs. W. E. Hawkins, Hollister..... | 2 00. |
| Lace..... | Ella Melindy, Bear Valley..... | 2 00. |
| Scroll work..... | J. A. Scholefield, Hollister..... | 1 00. |
| Cut flowers..... | Mesdames Briggs and Hamilton, Hollister..... | 5 00. |
| Embroidery..... | Mrs. Patterson, Hollister..... | 2 50. |

SPEED PROGRAMME.

TUESDAY, OCTOBER 6, 1891.

RACE No. 1—TROTTING.

2:40 Class. For all horses owned in San Benito County. Mile heats, best three in five.

| | |
|--|---|
| J. J. Nutting's g. m. Starlight, by Jim Mulvenna..... | 1 |
| C. J. Cox's br. s. Bay Rum, by Sevenoaks; dam, Kittle S..... | 2 |
| R. I. Orr's b. s. Ward B, by Eros; dam, Maggie..... | 3 |
| <i>Time</i> —2:35½; 2:37; 2:37½. | |

RACE No. 2—RUNNING.

For all horses owned in Monterey and San Benito Counties. Half mile heats, best two in three.

| | |
|---|---|
| B. S. Clark's b. m. Dairy Maid..... | 1 |
| S. Duncan's g. g. Valladore..... | 2 |
| D. Murphy's b. g. Dennis, by Judge McKinstry..... | 3 |
| <i>Time</i> —0:51½; 0:53½; 0:58½. | |

RACE No. 3—TROTTING.

For horses owned in San Benito and adjoining counties. Mile heats, best three in five.

| | |
|--|---|
| R. I. Orr's s. m. Mary O, by Brown Jug..... | 1 |
| J. G. Sanchez' Billy Matthews..... | 2 |
| H. J. Cox's Hattie B, by Alexander..... | 3 |
| G. S. Nash's Prince of Oaks, by Sevenoaks..... | 4 |

WEDNESDAY, OCTOBER 7, 1891.

RACE No. 4—TROTTING.

Free for all. Mile heats, best three in five.

| | |
|------------------------------------|---|
| H. J. Cox's Lady Grosvenor..... | 1 |
| Jas. Dwain's Billy Baxter..... | 2 |
| R. I. R. Clayton's Fred Grant..... | 3 |
| Al. Wilson's Chas. K..... | 4 |
| <i>Time</i> —2:39½; 2:42½; 2:39½. | |

RACE No. 5—TROTTING.

For three-year olds owned in San Benito and Monterey Counties. Mile heats, best three in five.

| | |
|---|---|
| Wm. Vanderhurst's br. m. Salinas Maid, by Junio..... | 1 |
| J. C. Storm's br. m. Auntie Wilkes, by Speculation..... | 2 |
| <i>Time</i> —2:43½; 2:41½; 2:38½; 2:40½; 2:45. | |

RACE No. 6—RUNNING.

Open to all. Five eighths of a mile and repeat.

| | |
|--|---|
| J. E. King's ch. s. Joker | 1 |
| B. S. Clark's br. m. Dairy Maid | 2 |
| J. W. Devine's b. m. Annie Lewis | 3 |

Time—1:06; 1:05½; 1:08½.

RACE No. 7—TROTTING.

Open to all. Mile heats, best three in five.

| | |
|------------------------------------|---|
| C. Rodriguez' St. Carlos | 1 |
| J. Cochran's San José | 2 |
| C. H. Corey's b. g. Rockwood | 3 |

Time—2:35; 2:31½; 2:29.

THURSDAY, OCTOBER 8, 1891.

RACE No. 8—TROTTING.

For named horses. Mile heats, best three in five.

| | |
|---------------------------------------|---|
| J. R. Ferguson's blk. s. Elite | 1 |
| John Parker's b. g. Sleepy Dick | 2 |
| A. D. Shaw's blk. m. Diana | 3 |
| Al. Wilson's blk. s. Midnight | 4 |

Time—2:49; 2:47½; 2:48½.

RACE No. 9—RUNNING.

Open to all. Three eighths of a mile and repeat.

| | |
|------------------------------------|---|
| Sam Matthews' Johnny Imus | 1 |
| A. T. Stephenson's Silverbow | 2 |
| Chas. Branch's Sorrel Harry | 3 |

Time—0:38½; 0:38.

FRIDAY, OCTOBER 9, 1891.

RACE No. 10—RUNNING.

For named horses. One quarter of a mile.

| | |
|---|---|
| T. Johnson's s. g. Comanche | 1 |
| S. Duncan's s. g. Jack the Ripper | 2 |

Time—0:24½.

RACE No. 11—TROTTING.

For two-year olds owned in San Benito and Monterey Counties. Mile heats, best two in three.

| | |
|----------------------------------|---|
| T. Malarin's Albert S | 1 |
| P. E. G. Anzar's Antenoche | 2 |
| E. Zanetta's Loupe | 3 |
| J. L. Powell's Orpheus | 4 |

Time—3:09; 3:10½.

RACE No. 12—TROTTING.

For named horses. Mile heats, best three in five. In harness.

| | |
|--|---|
| C. H. Corey's s. g. Dr. Swift..... | 1 |
| J. W. Donathan's blk. g. Franklin..... | 2 |
| C. Rodriguez' br. g. Keno..... | 3 |

Time—2:25; 2:22½; 2:26½; 2:24.

RACE No. 13—RUNNING.

For named horses. One and one half miles.

| | |
|--|---|
| B. S. Clark's ch. m. Roulette..... | 1 |
| B. S. Clark's b. s. May Boy..... | 2 |
| E. F. Fallon's br. s. Birdcatcher..... | 3 |

Time—2:59½.

RACE No. 14—TROTTING.

Open to all. Mile heats, best three in five.

| | |
|---|---|
| C. B. Coffin's br. s. Boodle..... | 1 |
| James Dwain's b. s. St. Patrick..... | 2 |
| H. G. Cox's ch. s. Boxwood..... | 3 |
| J. G. Sanchez' br. s. Billy Matthews..... | 4 |

Time—2:26½; 2:33½; 2:32½; 2:31.

SATURDAY, OCTOBER 10, 1891.

RACE No. 15—TROTTING.

For four-year olds owned in San Benito and Monterey Counties. Mile heats, best three in five.

| | | | |
|--------------------------------------|---|---|---|
| C. J. Cox's br. s. Bay Rum..... | 1 | 1 | 1 |
| J. J. Nutting's g. m. Starlight..... | 2 | 2 | 2 |

Time—2:35½; 2:36½; 2:34.

RACE No. 16—TROTTING.

Open to all. Mile heats, best three in five.

| | |
|---------------------------------------|---|
| J. H. Harris' s. m. Maud H..... | 1 |
| J. W. Donathan's b. s. Thornhill..... | 2 |
| J. Cochran's b. g. San José..... | 3 |
| R. I. Orr's s. m. Mary O..... | 4 |

Time—2:30½; 2:28½; 2:30½.

RACE No. 17—RUNNING.

Open to all. Three eighths of a mile and repeat.

| | |
|--------------------------------------|---|
| E. Breen's g. g. Valladore..... | 1 |
| R. I. Orr's s. g. Early..... | 2 |
| B. S. Clark's br. m. Dairy Maid..... | 3 |
| C. J. Russell's g. m. Slipper..... | 4 |

Time—0:37½; 0:38½.

TRANSACTIONS

OF THE

THIRTY-FOURTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the Counties of Lassen and Modoc.

OFFICERS OF THE ASSOCIATION.

| | |
|------------------------|------------|
| WILLIAM BROCKMAN | President. |
| C. E. EMERSON | Secretary. |
| D. KNOCH | Treasurer. |

DIRECTORS.

| | |
|------------------------|--------------|
| WILLIAM BROCKMAN | Susanville. |
| J. D. BYERS | Janesville. |
| E. LAUER | Alturas. |
| A. L. TUNISON | Susanville. |
| ED. FERRIS | Long Valley. |
| N. BIEBER | Bieber. |
| D. R. BROWNELL | Lookout. |

REPORT.

SUSANVILLE, December 1, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Thirty-fourth District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

C. E. EMERSON,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | | |
|---|------------|-------------------|
| Fair subscriptions | \$2,179 00 | |
| Gate and door money | 1,300 50 | |
| Amount of State aid | 2,250 00 | |
| Entrances to races | 1,234 00 | |
| Entrances to sweepstakes | 41 25 | |
| Hack license | 23 00 | |
| Back entrance, Golden Seal, due District No. 11 | 33 00 | |
| | | <u>\$7,120 75</u> |

Expenditures.

| | | |
|---|----------|-------------------|
| Expenses of Directors' meetings | \$145 00 | |
| Membership fee, National Trotting Association | 50 00 | |
| Fair posters | 18 50 | |
| Racing purses | 2,919 00 | |
| Premiums | 2,065 50 | |
| Music | 500 00 | |
| For use of Park | 225 00 | |
| Ball supper | 111 75 | |
| Employes, labor, merchandise, etc. | 692 20 | |
| Printing and advertising | 227 00 | |
| Telegraphing | 18 40 | |
| Incidentals—postage, expressage, etc. | 97 55 | |
| Paid Eleventh District, Golden Seal's back entrance | 33 00 | |
| Balance on hand | 17 85 | |
| | | <u>\$7,120 75</u> |

PREMIUMS AWARDED—1891.

LIVE STOCK.

| Exhibit. | Exhibitor. | Award. |
|---|-----------------------------------|---------|
| THOROUGHBREED HORSES—STALLIONS. | | |
| Snuff Box, three years old and over..... | S. M. Roberts, Milford | \$20 00 |
| Keystone, three years old and over..... | S. S. Ford, Alturas..... | 15 00 |
| DRAFT HORSES—STALLIONS. | | |
| Intellect, Jr., three years old and over | G. E. De Forest, Susanville | 25 00 |
| John Thomas, three years old and over | Wm. Brockman, Susanville | 15 00 |
| Stonewall, two years old | L. E. Winchester, Susanville..... | 15 00 |
| Tobe, one year old | A. E. De Forest, Susanville | 10 00 |
| Ben H, suckling colt | G. E. De Forest, Susanville | 5 00 |
| MARES. | | |
| Daisy, three years old and over..... | J. H. Elledge, Susanville | 20 00 |
| Queen, three years old and over | A. E. De Forest, Susanville | 15 00 |
| Queen, two years old | George Riddle, Susanville..... | 15 00 |
| Jeannette, two years old | Wm. Brockman, Susanville..... | 10 00 |
| Joliet, one year old | G. E. De Forest, Susanville | 10 00 |
| Daisy, suckling colt | A. E. De Forest, Susanville | 5 00 |
| Susie, suckling colt | L. E. Winchester, Susanville..... | 2 50 |
| FAMILIES. | | |
| Lucy and three colts | L. E. Winchester, Susanville..... | 20 00 |
| Belle and colt | A. E. De Forest, Susanville | 15 00 |
| DRAFT HORSES OF ALL WORK—STALLIONS. | | |
| Mackey, three years old and over | Jerry Bond, Buntingville | 25 00 |
| Jack W, three years old and over..... | A. L. Tunison, Susanville..... | 15 00 |
| Fred W, two years old | W. M. Cain, Susanville..... | 15 00 |
| General, two years old | Thomas Watson, Susanville..... | 10 00 |
| Junior, suckling colt | A. P. Merrill, Susanville | 5 00 |
| MARES. | | |
| Lulu, three years old and over | L. D. McDow, Susanville..... | 20 00 |
| May, three years old and over | A. E. Torey, Janesville | 15 00 |
| Mollie, three years old and over | Thomas Watson, Susanville..... | 15 00 |
| Nellie, two years old and over | Thomas Watson, Susanville..... | 10 00 |
| ROADSTERS—STALLIONS. | | |
| Duster, three years old and over | J. D. Byers, Janesville | 20 00 |
| Tunison, three years old and over | C. A. Holcomb, Bieber..... | 10 00 |
| GELDINGS. | | |
| Ranger, three years old and over | C. E. Emerson, Susanville | 20 00 |
| Fred, three years old and over | F. H. Bangham, Susanville | 10 00 |
| George and Signal, span of one-year olds.. | H. H. Daken, Janesville | 10 00 |
| MARES. | | |
| Effie G, three years old and over..... | J. D. Byers, Janesville | 20 00 |
| May Queen, three years old and over..... | J. D. Byers, Janesville | 10 00 |
| MULES AND JACKS. | | |
| Stag (jack), three years old and over | P. J. Goumaz, Grasshopper | 20 00 |
| Jennie (jenny), three years old and over.... | Lee Perkins, Susanville | 15 00 |
| Tobe (mule), three years old and over..... | W. M. Cain, Susanville | 15 00 |
| Beck (mule), three years old and over..... | L. C. Stiles, Susanville | 7 50 |
| Jennie (mule), one year old | E. G. Bangham, Susanville | 7 50 |
| Jane, suckling colt | J. H. Elledge, Susanville | 5 00 |
| Caution, suckling colt | E. G. Bangham, Susanville | 2 50 |

LIVE STOCK DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|---|----------------------------------|---------|
| SWEEPSTAKES FOR HORSES. | | |
| Jack W, best stallion, three years old and over | A. L. Tunison, Susanville | \$30 00 |
| May Queen, best mare | J. D. Byers, Janesville | 30 00 |
| DURHAM CATTLE—BULLS. | | |
| Jackson, three years old and over | Emerson & Hosselkus, Susanville. | 20 00 |
| HOLSTEIN CATTLE—BULLS. | | |
| Jack, three years old and over | A. L. Tunison, Susanville | 20 00 |
| Merry Christmas, three years old and over | John Lowe, Janesville | 10 00 |
| Pride of Plumas, one year old | I. Scottini, Susanville | 10 00 |
| Prince of Lassen, calf | John Lowe, Janesville | 5 00 |
| COWS. | | |
| Thissette, three years old and over | John Lowe, Janesville | 15 00 |
| GRADED CATTLE—BULLS. | | |
| Ben H, three years old and over | L. Knudson, Susanville | 15 00 |
| Stonewall, three years old and over | W. M. Cain, Susanville | 10 00 |
| Tom, two years old | I. Scottini, Susanville | 15 00 |
| Peter Jackson, two years old | W. M. Cain, Susanville | 10 00 |
| Harry, calf | L. Knudson, Susanville | 5 00 |
| COWS. | | |
| Kit, three years old and over | W. M. Cain, Susanville | 15 00 |
| Beauty, three years old and over | C. J. Ripley, Susanville | 10 00 |
| Belle, two years old | Dan Cramer, Susanville | 15 00 |
| Lily, two years old | L. Knudson, Susanville | 10 00 |
| Queen, one year old | W. M. Cain, Susanville | 5 00 |
| Bess, calf | Chas. Lawson, Susanville | 5 00 |
| SWEEPSTAKES FOR CATTLE. | | |
| Jack, best bull | A. L. Tunison, Susanville | 30 00 |
| Kit, best cow | W. M. Cain, Susanville | 30 00 |
| COTSWOLD SHEEP. | | |
| Dick, ram | J. R. Perkins, Susanville | 10 00 |
| Sally, ewe | J. R. Perkins, Susanville | 10 00 |
| MERINO SHEEP. | | |
| Sam, ram | J. R. Perkins, Susanville | 10 00 |
| Jane, ewe | J. R. Perkins, Susanville | 10 00 |
| SOUTHDOWN SHEEP. | | |
| Fanny, ewe | J. R. Perkins, Susanville | 10 00 |
| BERKSHIRE SWINE—BOARS. | | |
| Abe | G. A. Carman, Susanville | 7 50 |
| Jack | W. P. Hall, Susanville | 5 00 |
| SOWS. | | |
| Mollie | G. A. Carman, Susanville | 5 00 |
| Flora | G. A. Carman, Susanville | 2 50 |
| POLAND-CHINA SWINE—BOARS. | | |
| Roy | W. P. Hall, Susanville | 7 50 |
| Ben | Wm. Brockman, Susanville | 5 00 |
| SOWS. | | |
| Bess | G. A. Carman, Susanville | 5 00 |
| Jane | G. A. Carman, Susanville | 2 50 |
| ESSEX SWINE—SOWS. | | |
| Sally | I. Scottini, Susanville | 5 00 |
| DUROC SWINE—SOWS. | | |
| Susie | Alex. Arnold, Susanville | 5 00 |
| Polly | Alex. Arnold, Susanville | 2 50 |

LIVE STOCK DEPARTMENT—Continued.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------|------------------------------------|---------|
| SWEEPSTAKES FOR SHEEP. | | |
| Dick, best ram | J. R. Perkins, Susanville | \$10 00 |
| Sally, best ewe | J. R. Perkins, Susanville | 10 00 |
| Best pen of four | J. R. Perkins, Susanville | 10 00 |
| SWEEPSTAKES FOR SWINE. | | |
| Jack, best boar | W. P. Hall, Susanville | 7 50 |
| Bess, best sow | G. A. Carman, Susanville | 7 50 |
| Best pen of four | G. A. Carman, Susanville | 7 50 |
| SADDLE HORSES. | | |
| Best | J. T. Long, Susanville | 15 00 |
| Second best | B. H. Talbot, Susanville | 7 50 |
| POULTRY. | | |
| Trio of Plymouth Rocks | Mrs. Wm. Brockman, Susanville .. | 2 00 |
| Trio of Leghorns | Mrs. W. P. Hall, Susanville | 2 00 |
| Trio of Hamburgs | Mrs. V. E. Perry, Susanville | 2 00 |
| Trio of Houdans | Mrs. W. P. Hall, Susanville | 2 00 |
| Trio of Buff Cochins | Mrs. Longanecker, Susanville | 2 00 |
| Trio of Langshans | Mrs. Wm. Brockman, Susanville .. | 2 00 |

LADIES' TOURNAMENT.

| Premium. | Name of Rider. | Award. |
|--------------------|-----------------------------------|---------|
| First prize | Susie Shumway, Susanville | \$40 00 |
| Second prize | Maud Long, Susanville | 30 00 |
| Third prize | Ella Sylvester, Susanville | 20 00 |
| Fourth prize | Mattie Dyson, Sierra Valley | 10 00 |

PAVILION DISPLAY.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|---------------------------------------|--------|
| HOUSEHOLD FABRICS. | | |
| Half dozen table mats | Mrs. H. Meylert, Susanville | \$1 50 |
| Drawn work | Mrs. H. Meylert, Susanville | 3 00 |
| Crochet linen tidy | Mrs. H. Meylert, Susanville | 2 50 |
| Shirt, hand-made trimming | Mrs. H. Meylert, Susanville | 1 00 |
| Rag carpet | Mrs. W. M. Cain, Susanville | 5 00 |
| Crochet skirt | Mrs. J. Lovell, Susanville | 2 50 |
| Plaque painting | Mrs. J. A. Norton, Janesville | 4 00 |
| Table scarf | Mrs. J. A. Norton, Janesville | 2 00 |
| Specimen quilting | Mrs. J. A. Norton, Janesville | 2 00 |
| Patchwork, wool | Mrs. J. A. Norton, Janesville | 5 00 |
| Crazy quilt, silk | Mrs. J. A. Norton, Janesville | 7 00 |
| Knitted skirt | Mrs. Mary Summers, Susanville .. | 1 50 |
| Two fancy aprons | Mrs. Mary Summers, Susanville .. | 1 00 |
| Calico dress | Mrs. J. A. Gilman, Susanville | 3 00 |
| Lady's dress | Mrs. J. A. Gilman, Susanville | 7 50 |
| Dried grasses | Mrs. J. R. Perkins, Susanville | 2 00 |
| Skeleton leaves | Mrs. J. R. Perkins, Susanville | 2 00 |
| Agricultural wreath | Mrs. J. R. Perkins, Susanville | 2 00 |
| Bouquet | Mrs. J. R. Perkins, Susanville | 2 00 |
| Autumn leaves | Mrs. J. R. Perkins, Susanville | 2 00 |
| Hand-made rug | Mrs. T. E. Ravenscroft, Susanville .. | 1 50 |
| Splasher | Mrs. T. E. Ravenscroft, Susanville .. | 1 00 |
| Knit cape | Mrs. B. E. Shumway, Susanville | 1 00 |
| Knit shawl | Mrs. B. E. Shumway, Susanville | 2 50 |
| Specimen of knitting | Mrs. B. E. Shumway, Susanville | 3 00 |
| Knit gloves | Susie Shumway, Susanville | 1 50 |

PAVILION DISPLAY—Continued.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------------|---|--------|
| Decorated fan | Mrs. E. H. Taylor, Susanville | \$1 50 |
| Suit of underwear | Mrs. E. H. Taylor, Susanville | 2 00 |
| Fancy apron | Mrs. E. H. Taylor, Susanville | 1 00 |
| Crochet slippers | Mrs. E. H. Taylor, Susanville | 2 00 |
| Pyramid tuck apron | Mrs. E. H. Taylor, Susanville | 1 50 |
| Crochet pillow slips | Mrs. E. H. Taylor, Susanville | 1 00 |
| Gentleman's dressing gown | Mrs. E. H. Taylor, Susanville | 1 00 |
| Patchwork quilt, wool | Mrs. E. H. Taylor, Susanville | 2 00 |
| Worsted wreath | Mrs. Oscar Howell, Susanville | 2 00 |
| Patchwork quilt | Mrs. F. Longanecker, Susanville | 5 00 |
| Home-made shirt | Mrs. F. Longanecker, Susanville | 2 50 |
| Whisk broom holder | Mrs. F. Longanecker, Susanville | 1 50 |
| Comforter | Mrs. F. Longanecker, Susanville | 2 50 |
| Outline pillow sham | Mrs. M. Nathan, Susanville | 1 00 |
| Rag carpet | Mrs. William Brashear, Susanville | 2 00 |
| Braided pillow shams | Mrs. William Brashear, Susanville | 1 50 |
| Cotton shirt | Mrs. S. M. Roberts, Susanville | 2 50 |
| Lady's dress | Mrs. Ida Davis, Susanville | 5 00 |
| Unclipped rug | Mrs. Ida Davis, Susanville | 3 00 |
| Outline pillow shams | Mrs. Charles Fox, Susanville | 2 00 |
| Knit stockings | Mrs. Wm. Brockman, Susanville | 1 50 |
| Knit stockings | Mrs. Wm. Brockman, Susanville | 1 00 |
| Knit socks | Mrs. Wm. Brockman, Susanville | 1 00 |
| Hanging basket | Mrs. R. V. Craig, Susanville | 2 50 |
| Knit mittens | Mrs. R. V. Craig, Susanville | 50 |
| Macrame work | Mrs. J. Cahalan, Susanville | 3 00 |
| Applique work | Mrs. J. Cahalan, Susanville | 3 00 |
| Crochet tidy | Mrs. J. Cahalan, Susanville | 2 00 |
| Lambrequin, macrame | Mrs. C. E. Emerson, Susanville | 2 00 |
| Crochet shawl | Mrs. C. E. Emerson, Susanville | 2 50 |
| Gents' dressing gown | Mrs. C. E. Emerson, Susanville | 2 00 |
| Lace knitting | Mrs. J. T. Masten, Susanville | 1 50 |
| Lace cotton tidy | Mrs. Minnie Ramsey, Susanville | 2 50 |
| Child's dress | Mrs. Minnie Ramsey, Susanville | 3 00 |
| Crochet lace | Mrs. Minnie Ramsey, Susanville | 4 00 |
| Worsted crazy quilt | Mrs. J. C. Wimple, Susanville | 4 00 |
| Table cover | Mrs. J. C. Wimple, Susanville | 3 00 |
| Stocking bag | Mrs. J. W. Boadwell, Janesville | 1 00 |
| Rickrack trimming | Mrs. J. W. Boadwell, Janesville | 1 00 |
| Tatting | Mrs. Chas. Lawson, Janesville | 2 00 |
| Paperholder | Carrie Hutchinson, Susanville | 2 50 |
| Crochet tidy | Hattie Lybarger, Janesville | 2 00 |
| Lace bedspread | Mrs. M. Asher, Susanville | 2 50 |
| Table scarf | Mrs. M. Asher, Susanville | 3 00 |
| Bureau scarf | Mrs. M. Asher, Susanville | 1 50 |
| Crochet skirt | Mrs. M. Asher, Susanville | 1 00 |
| Crochet pillow cases | Mrs. M. Asher, Susanville | 2 50 |
| Hand-embroidered handkerchief | Mrs. M. Asher, Susanville | 2 00 |
| Four outline doilies | Mrs. M. Asher, Susanville | 1 00 |
| Collection of crochet lace | Mrs. M. Asher, Susanville | 2 00 |
| Beaded cushion | Mrs. L. Woodstock, Susanville | 2 00 |
| Lamp mat | Mrs. L. Woodstock, Susanville | 1 00 |
| Lace collar | Mrs. L. Woodstock, Susanville | 1 00 |
| Beaded saddle blanket | Mrs. L. Woodstock, Susanville | 3 00 |
| Macrame tidy | Mrs. H. H. Weincke, Susanville | 2 00 |
| Silk quilt | Miss Hattie Raker, Susanville | 4 00 |
| Pillow shams | Miss Hattie Raker, Susanville | 1 50 |
| Crochet table mat | Mrs. H. N. Skadan, Susanville | 3 00 |
| CHILDREN'S DEPARTMENT. | | |
| (Under 16 years of age.) | | |
| Suit of underwear | Ollie Lavell, Susanville | 4 00 |
| Crochet lace | Ollie Lavell, Susanville | 1 00 |
| Plate biscuit | Dora Summers, Susanville | 1 50 |
| Six buttonholes | Dora Summers, Susanville | 1 50 |
| Yeast bread | Dora Summers, Susanville | 1 50 |
| Hand-made underwear | Dora Summers, Susanville | 3 00 |
| Crochet wristlets | Dora Summers, Susanville | 1 00 |
| Salt-rising bread | Dora Summers, Susanville | 1 50 |

PAVILION DISPLAY—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--|--------|
| Transfer work, glass | Minnie Perkins, Susanville | \$2 00 |
| Sample of moss | Minnie Perkins, Susanville | 2 00 |
| Daisy work | Daisy Perkins, Susanville | 1 00 |
| Crochet tidy | Dell Perkins, Susanville | 1 00 |
| Beans | Ray Leonard, Susanville | 3 00 |
| Collection of cakes | Cora Longanecker, Susanville | 3 00 |
| Patchwork quilt | Ezra Arnold, Susanville | 4 00 |
| Child's dress | Katie Arnold, Susanville | 2 00 |
| Hanging basket | Hattie Nathan, Susanville | 2 00 |
| Specimen of penmanship | Lola Craig, Susanville | 2 00 |
| Sofa cushion | Lola Craig, Susanville | 1 00 |
| Arranged picture album | Lola Craig, Susanville | 1 00 |
| Crochet work | Alice Craig, Susanville | 2 00 |
| Child's apron | Orphie Marks, Susanville | 1 50 |
| Lady's dress | Fronie Marks, Susanville | 2 00 |
| Biscuits | Sadie Woodstock, Susanville | 1 00 |
| Map of California | Eddie Ward, Susanville | 2 00 |
| Set of drawings | Eddie Ward, Susanville | 2 50 |
| Collection of birds' eggs | Eddie Ward, Susanville | 1 00 |
| Elderberry jelly | Mary Willard, Susanville | 2 00 |
| PAINTINGS, DRAWINGS, AND PICTURE WORK. | | |
| Fruit painting | Mrs. Iva Raker, Susanville | 5 00 |
| Painting of flowers, in oil | Mrs. J. A. Norton, Janesville | 1 50 |
| Ornamental painting | Mrs. J. A. Norton, Janesville | 4 00 |
| Panel painting | Mrs. Dr. Van Male, Bieber | 2 50 |
| Tambourine painting | Mrs. Dr. Van Male, Bieber | 2 50 |
| Painted plaque | Mrs. E. H. Taylor, Susanville | 5 00 |
| Porcelain painting | Miss Laura Stites, Susanville | 7 50 |
| Landscape painting | Miss Laura Stites, Susanville | 12 50 |
| Collection of landscapes | Mrs. C. G. Kelley, Susanville | 5 00 |
| Crayon drawings | Miss Hattie Raker, Susanville | 4 00 |
| Photographic views | Alex. Howell, Susanville | |
| FLOWERS AND PLANTS. | | |
| Foliage plants | Mrs. J. G. Leonard, Susanville | 2 50 |
| Cut flowers | Mrs. E. H. Taylor, Susanville | 5 00 |
| Collection of house plants | Mrs. E. H. Taylor, Susanville | 7 50 |
| Blooming plants | Mrs. J. T. Masten, Susanville | 2 50 |
| Fuchsias in bloom | Mrs. J. T. Masten, Susanville | |
| CANNED AND DRIED FRUITS, TABLE SAUCES, ETC. | | |
| Three glasses red currant jelly | Mrs. H. Meylert, Susanville | 1 00 |
| Three glasses grape jelly | Mrs. H. Meylert, Susanville | 2 00 |
| Three glasses blackberry jelly | Mrs. H. Meylert, Susanville | 2 50 |
| Pears | Mrs. W. M. Cain, Susanville | 2 00 |
| Sweet pickled peaches | Mrs. I. N. Jones, Susanville | 2 00 |
| Fresh peaches | Mrs. I. N. Jones, Susanville | 2 00 |
| Fresh pears | Mrs. I. N. Jones, Susanville | 2 00 |
| Five pounds dried apples | Mrs. I. N. Jones, Susanville | 2 00 |
| Five pounds dried plums | Mrs. I. N. Jones, Susanville | 2 00 |
| Plum jelly | Mrs. Mary Summers, Susanville | 2 00 |
| Apple jelly | Mrs. Mary Summers, Susanville | 1 00 |
| Quince jelly | Mrs. Mary Summers, Susanville | 2 00 |
| Cherry jelly | Mrs. Mary Summers, Susanville | 2 00 |
| Black currant jelly | Mrs. Mary Summers, Susanville | 2 00 |
| Peach preserves | Mrs. Mary Summers, Susanville | 2 00 |
| Quince preserves | Mrs. Mary Summers, Susanville | 2 00 |
| Tomato preserves | Mrs. Mary Summers, Susanville | 2 00 |
| Plum preserves | Mrs. Mary Summers, Susanville | 1 00 |
| Three glasses blackberry jelly | Mrs. J. A. Gilman, Susanville | 2 00 |
| Three glasses raspberry jelly | Mrs. J. A. Gilman, Susanville | 1 00 |
| Three glasses apple jelly | Mrs. J. A. Gilman, Susanville | 2 00 |
| Strawberry preserves | Mrs. J. A. Gilman, Susanville | 2 00 |
| Grape preserves | Mrs. J. A. Gilman, Susanville | 1 00 |
| Currant jelly | Mrs. T. E. Ravenscroft, Susanville | 1 00 |
| Peach jelly | Mrs. George Cain, Janesville | 1 00 |
| Plum jelly | Mrs. George Cain, Janesville | 1 00 |
| Dried apples | Mrs. George Cain, Janesville | 1 00 |

PAVILION DISPLAY—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--------------------------------------|--------|
| Dried plums..... | Mrs. George Cain, Janesville..... | \$1 00 |
| Collection of canned fruits..... | Mrs. J. G. Leonard, Susanville..... | 1 00 |
| Crabapple jelly..... | Mrs. F. Longanecker, Susanville..... | 1 00 |
| Display of fresh fruit..... | Mrs. L. D. Arnold, Susanville..... | 2 00 |
| Display of dried pears..... | S. Hoffman, Susanville..... | 2 00 |
| Preserved quinces..... | Mrs. L. C. Cahalan, Susanville..... | 1 00 |
| Cucumber pickles..... | Miss C. Hutchinson, Susanville..... | 2 00 |
| Chile sauce..... | Miss C. Hutchinson, Susanville..... | 2 00 |
| Preserved pears..... | Mrs. M. Asher, Susanville..... | 2 00 |
| Crabapple jelly..... | Mrs. S. A. Brown, Susanville..... | 2 00 |
| Three cans apricots..... | Mrs. C. McDairmid, Susanville..... | 2 00 |
| Apple jelly..... | Mrs. H. H. Weinckie, Susanville..... | 2 00 |
| Tomato catsup..... | Mrs. H. N. Skadan, Susanville..... | 2 00 |
| Currant jelly..... | Mrs. H. N. Skadan, Susanville..... | 2 00 |
| GRAIN, FRUIT, AND VEGETABLES. | | |
| Four citrons..... | N. Metz, Susanville..... | 1 00 |
| Seven watermelons..... | N. Metz, Susanville..... | 1 00 |
| Six muskmelons..... | N. Metz, Susanville..... | 1 00 |
| Alfalfa..... | Mrs. W. M. Cain, Susanville..... | 7 50 |
| Four varieties apples..... | L. W. Hughes, Eagleville..... | 2 50 |
| Four varieties apples..... | I. N. Jones, Susanville..... | 5 00 |
| Box peaches..... | I. N. Jones, Susanville..... | 5 00 |
| Two boxes plums..... | I. N. Jones, Susanville..... | 10 00 |
| Five pounds hops..... | I. N. Jones, Susanville..... | 2 00 |
| Half bushel white potatoes..... | T. M. Barham, Janesville..... | 2 00 |
| Parsnips..... | T. E. Ravenscroft, Susanville..... | 3 00 |
| Centennial potatoes..... | T. E. Ravenscroft, Susanville..... | 4 00 |
| Peerless potatoes..... | T. E. Ravenscroft, Susanville..... | 2 00 |
| Red Superior potatoes..... | T. E. Ravenscroft, Susanville..... | 2 00 |
| Silver King onions..... | T. E. Ravenscroft, Susanville..... | 2 00 |
| Marblehead cabbage..... | T. E. Ravenscroft, Susanville..... | 2 00 |
| Dutch cabbage..... | G. E. De Forest, Susanville..... | 4 00 |
| Kraut cabbage..... | G. E. De Forest, Susanville..... | 4 00 |
| Cauliflower..... | G. E. De Forest, Susanville..... | 2 00 |
| French prunes..... | R. F. Moody, Susanville..... | 5 00 |
| Timothy seed..... | I. Scottini, Susanville..... | 2 00 |
| Dried corn..... | Mrs. L. D. Arnold, Susanville..... | 2 00 |
| Oats on stalk..... | Dan Armstrong, Shumway..... | 5 00 |
| Rye on stalk..... | Dan Armstrong, Shumway..... | 5 00 |
| Fifty pounds oats..... | Dan Armstrong, Shumway..... | 5 00 |
| Fifty pounds to the bushel oats..... | Dan Armstrong, Shumway..... | 10 00 |
| Twenty-five pounds apples..... | A. T. Arnold, Susanville..... | 5 00 |
| Twenty-five pounds any variety apples..... | A. T. Arnold, Susanville..... | 10 00 |
| Best display of fruit..... | A. T. Arnold, Susanville..... | 15 00 |
| Two varieties pears..... | A. T. Arnold, Susanville..... | 10 00 |
| Two varieties peaches..... | A. T. Arnold, Susanville..... | 10 00 |
| Three pumpkins..... | A. T. Arnold, Susanville..... | 3 00 |
| Best display of tomatoes..... | A. T. Arnold, Susanville..... | 4 00 |
| Flint corn..... | A. T. Arnold, Susanville..... | 3 00 |
| Popcorn..... | A. T. Arnold, Susanville..... | 1 50 |
| White carrots..... | Samuel Hoffman, Susanville..... | 2 00 |
| Yellow carrots..... | Samuel Hoffman, Susanville..... | 2 00 |
| Red onions..... | Samuel Hoffman, Susanville..... | 2 00 |
| Ten pounds pears..... | Samuel Hoffman, Susanville..... | 5 00 |
| Fifty pounds wheat..... | Samuel Hoffman, Susanville..... | 5 00 |
| Wheat on stalk..... | Samuel Hoffman, Susanville..... | 5 00 |
| Alfalfa seed..... | Samuel Hoffman, Susanville..... | 3 00 |
| Alfalfa seed..... | Wm. Brockman, Susanville..... | 1 00 |
| Best plums..... | Wm. Brockman, Susanville..... | 10 00 |
| Four varieties apples..... | Wm. McClelland, Susanville..... | 10 00 |
| Twenty-five pounds any variety apples..... | Wm. McClelland, Susanville..... | 5 00 |
| Boston squash..... | L. D. McDow, Susanville..... | 3 00 |
| Display of grapes..... | L. D. McDow, Susanville..... | 5 00 |
| Cauliflower..... | Wm. Dow, Susanville..... | 4 00 |
| Jersey pumpkins..... | Wm. Dow, Susanville..... | 1 00 |
| Hubbard squash..... | Wm. Dow, Susanville..... | 2 00 |
| Burbank Seedling potatoes..... | Wm. Dow, Susanville..... | 10 00 |
| Beets..... | Wm. Dow, Susanville..... | 1 00 |
| Red potatoes..... | E. G. Bangham, Susanville..... | 4 00 |

PAVILION DISPLAY—Continued.

| Exhibit. | Exhibitor. | Award. |
|--|--|---------|
| Peaches | C. E. Emerson, Susanville | \$10 00 |
| Plums | C. E. Emerson, Susanville | 5 00 |
| Squash | J. T. Masten, Susanville | 1 00 |
| Marblehead cabbage | J. T. Masten, Susanville | 4 00 |
| Star squash | Z. N. Spalding, Susanville | 2 00 |
| Three citrons | Z. N. Spalding, Susanville | 3 00 |
| Three squash | Z. N. Spalding, Susanville | 1 00 |
| Best vegetable exhibit | Z. N. Spalding, Susanville | 7 50 |
| Sweet corn | Z. N. Spalding, Susanville | 3 00 |
| Strawberries | F. M. Hostetter, Susanville | 2 00 |
| Table carrots | F. M. Hostetter, Susanville | 1 00 |
| Parsnips | F. M. Hostetter, Susanville | 1 00 |
| Celery | F. M. Hostetter, Susanville | 2 00 |
| Blood beets | F. M. Hostetter, Susanville | 3 00 |
| Sugar beets | F. M. Hostetter, Susanville | 3 00 |
| Muskmelons | F. M. Hostetter, Susanville | 3 00 |
| Watermelons | F. M. Hostetter, Susanville | 3 00 |
| Timothy seed | Chas. Lawson, Susanville | 1 00 |
| Timothy on stalk | Chas. Lawson, Susanville | 5 00 |
| White potatoes | J. P. Sharp, Janesville | 4 00 |
| Fifty pounds rye | John Lowe, Janesville | 5 00 |
| Two varieties peaches | Prof. A. P. Merrill, Susanville | 5 00 |
| Celery | Mrs. H. H. Weinckie, Susanville | 4 00 |
| Onions | Mrs. D. C. Hyer, Susanville | 3 00 |
| Cabbage | Mrs. D. C. Hyer, Susanville | 2 00 |
| Fifty pounds wheat | M. Sugro, Susanville | 10 00 |
| Twelve ears popcorn | Mrs. L. Woodstock, Susanville | 3 00 |
| BREAD, CAKE, BUTTER, ETC. | | |
| Plate biscuit | Mrs. H. Meylert, Susanville | 2 00 |
| Butter | Geo. Cain, Janesville | 10 00 |
| Cheese | I. Scottini, Susanville | 5 00 |
| Fifty pounds butter one year old | I. Scottini, Susanville | 5 00 |
| Corn bread | Mrs. W. S. Brashear, Susanville | 2 00 |
| Pound cake | Mrs. Dan Armstrong, Shumway | 2 00 |
| Salt-rising bread | Mrs. Dan Armstrong, Shumway | 4 00 |
| Cup cake | Mrs. Wm. Brockman, Susanville | 2 00 |
| Plate cookies | Mrs. C. E. Emerson, Susanville | 2 00 |
| Ten-pound roll butter | Mrs. J. T. Masten, Susanville | 10 00 |
| Yeast bread | Mrs. Minnie Ramsey, Susanville | 4 00 |
| Roll butter | Mrs. L. E. Winchester, Susanville | 5 00 |
| Salt-rising bread | Mrs. J. C. Wimple, Milford | 2 00 |
| Plate cookies | Mrs. J. C. Wimple, Milford | 1 00 |
| Yeast bread | Miss Carrie Hutchinson, Susanville | 2 00 |
| Graham bread | Mrs. H. H. Weinckie, Susanville | 2 00 |
| Yeast biscuit | Lucy Runyon, Susanville | 4 00 |
| Rye bread | Mrs. M. Asher, Susanville | 2 00 |
| Sponge cake | Mrs. M. Asher, Susanville | 2 00 |
| Fancy cakes | Mrs. B. E. Shumway, Susanville | 1 00 |
| TAXIDERMY, CURIOS, ETC. | | |
| Waxwork | Mrs. J. A. Gilman, Susanville | 3 00 |
| Stuffed birds | R. F. Moody, Susanville | 5 00 |
| Mineral cabinet | R. F. Moody, Susanville | 10 00 |
| Eggs | I. N. Jones, Susanville | 3 00 |
| MISCELLANEOUS. | | |
| Job printing | Lassen Mail, Susanville | 10 00 |
| Wool | Mrs. J. R. Perkins, Susanville | 5 00 |
| Flour | J. K. Gehrig, Susanville | 10 00 |
| Beehives | Oscar Howell, Susanville | 3 00 |
| Currant wine | Mrs. F. Longanecker, Susanville | 4 00 |
| Display of woodturning | L. D. Arnold, Susanville | 10 00 |
| Molding in wood | L. D. Arnold, Susanville | 4 00 |
| Double harness | Zimmerman Bros., Susanville | 7 50 |
| Single harness | Zimmerman Bros., Susanville | 4 00 |
| Currant wine five years old | Mrs. Ida Davis, Susanville | 2 00 |
| Five gallons cider | A. T. Arnold, Susanville | 4 00 |
| Ten pounds honey | F. M. Hostetter, Susanville | 5 00 |
| Double carriage harness | C. M. Stoll, Susanville | 7 50 |

PAVILION DISPLAY—Continued.

| Exhibit. | Exhibitor. | Award. |
|------------------------------|-----------------------------------|--------|
| Mexican saddle | C. M. Stoll, Susanville | \$4 00 |
| Cooperage | C. Hansen, Janesville | 4 00 |
| Churn | M. Asher, Susanville | 4 00 |
| Washing machine | M. Asher, Susanville | 4 00 |
| Bunch shakes | A. S. Brown, Susanville | 4 00 |
| Bunch shingles | A. S. Brown, Susanville | 4 00 |
| Bunch shakes | Geo. Hipshear, Susansville | 2 00 |
| Specimen of penmanship | Jay Pardee, Susanville | 2 00 |
| Exhibit of goods | Alexander Bros., Susanville | 20 00 |

SPEED PROGRAMME.

MONDAY, OCTOBER 5, 1891.

RACE No. 1—RUNNING.

Free for all. Purse, \$200. One mile.

| | |
|---|---|
| Jo Dyson's Ottawa, by Cousin Vic..... | 1 |
| J. A. Forkner's Jack Dempsey, by Three Cheers | 2 |
| T. W. Wilson's Joaquin, by Three Cheers..... | 3 |
| S. M. Roberts' Snuff Box, by Ballot Box..... | 0 |
| S. S. Ford's Keystone, by Langford | 0 |

Time—1:46½.

RACE No. 2—TROTTING.

For district horses. Purse, \$250. Mile heats, best two in three.

| | |
|--|------|
| J. H. McClelland's J D B, by Duster..... | 1 |
| Wm. McClelland's Almont Messenger, by Duster | dis. |
| R. P. Clement's Queen, by Mackey | dis. |

Time—3:18½.

RACE No. 3—RUNNING.

For district horses. Purse, \$150. One quarter of a mile and repeat.

| | | |
|--|---|---|
| E. E. Haley's Norman, by Red Cloud | 1 | 1 |
| S. S. Ford's Blackbird, by Keystone..... | 2 | 2 |
| C. A. Holcomb's Lightning; pedigree unknown..... | 3 | 3 |

Time—0:23½; 0:24.

RACE No. 4—RUNNING.

For Indian ponies. Purse, \$50. One mile.

| | |
|--------------------------------|---|
| Olie's Ned | 1 |
| Little Pete's Dirty Socks..... | 2 |
| Chekoney's Chkete John | 3 |
| Frank's Casino | 4 |

Thirty-five other ponies also ran.

Time—2:07.

TUESDAY, OCTOBER 6, 1891.

RACE No. 5—TROTTING.

For district horses. Purse, \$200. Mile heats, best two in three.

| | | |
|--|------|---|
| H. N. Skadan's Fearless, by Dexter..... | 1 | 1 |
| C. A. Holcomb's Bessie McClelland, by Joker..... | 2 | 2 |
| W. P. Hall's Exile, by Victor..... | 3 | 3 |
| R. P. Clement's Electioneer Nelson, by Stanford..... | 4 | 4 |
| F. McGuines' Bay Prince; pedigree unknown..... | dis. | |

Time—3:15; 3:11.

RACE No. 6—RUNNING.

For district horses. Purse, \$150. Seven eighths of a mile.

| | |
|--|---|
| S. M. Roberts' Snuff Box, by Ballot Box..... | 1 |
| S. S. Ford's Snapping Andy, by Keystone..... | 2 |
| J. B. Roberts' Jo D, by Cousin Vic | 3 |

Time—1:34.

RACE No. 7—TROTTING AND PACING.

For yearlings owned in the district. Purse, \$150. Half mile heats, best two in three.

| | | |
|-------------------------------------|---|---|
| J. D. Byers' Kildeer, by Duster | 1 | 1 |
| W. P. Hall's Nellie, by Boylston | 2 | 2 |
| Fred. Hall's Effie, by Boylston | 3 | 3 |
| W. R. Williams' Hattie, by Boylston | 4 | 4 |

Time—2:08; 2:05.

RACE No. 8—RUNNING.

Free for all. Purse, \$200. Three quarters of a mile and repeat.

| | | | |
|---|---|---|-------|
| Jo Dyson's Ottawa, by Cousin Vic | 0 | 1 | 1 |
| T. W. Wilson's Joaquin, by Three Cheers | 0 | 2 | 2 |
| S. M. Roberts' Snuff Box, by Ballot Box | 3 | 3 | r. o. |

Time—1:19; 1:19½; 1:20.

WEDNESDAY, OCTOBER 7, 1891.

RACE No. 9—RUNNING.

For district horses. Purse, \$200. Three eighths of a mile and repeat.

| | | |
|---|---|---|
| E. E. Haley's Norman, by Red Cloud | 1 | 1 |
| J. A. Forkner's Jack Dempsey, by Three Cheers | 2 | 2 |
| S. S. Ford's Snapping Andy, by Keystone | 3 | 3 |
| C. A. Holcomb's Lightning; pedigree unknown | 4 | 4 |

Time—0:37; 0:38½.

RACE No. 10—TROTTING.

For district two-year olds. Purse, \$150. Mile heats, best two in three.

| | | |
|--|------|------|
| C. A. Holcomb's Golden Seal, by Climax | 1 | 1 |
| R. S. Dunn's Sarah Ridley, by Mackey | 2 | dis. |
| W. P. Hall's Kodak, by Geo. Wapple | 3 | dis. |
| August Mayard's Colusa Boy, by Tilton Almont | 4 | dis. |
| Colin Gady's Susie L, by Mackey | dis. | |
| E. C. Brown's Ida B, by Mackey | dis. | |
| W. R. Williams' Wm. Riley, by Venture | dis. | |

Time—3:50; 3:27.

RACE No. 11—RUNNING.

Free for all. Purse, \$200. One and one quarter miles.

| | |
|---|---|
| Jo Dyson's Ottawa, by Cousin Vic | 1 |
| J. A. Forkner's Jack Dempsey, by Three Cheers | 2 |
| S. M. Roberts' Snuff Box, by Ballot Box | 3 |
| T. W. Wilson's Joaquin, by Three Cheers | 0 |
| S. S. Ford's Keystone, by Langford | 0 |
| S. S. Ford's Bill Long, by Keystone | 0 |

Time—2:17.

RACE No. 12—TROTTING.

Free for all. Purse, \$180. Mile heats, best two in three.

| | | | |
|--|---|---|---|
| Chas. Lawrence's Maxwell, by Wm. Tell | 1 | 0 | 1 |
| N. H. West's Nellie Woody, by Altamont | 2 | 0 | 2 |
| H. Bereman's Alturas; pedigree unknown | 3 | 3 | 3 |

Time—2:45; 2:40; 2:47.

THURSDAY, OCTOBER 8, 1891.

RACE No. 13—RUNNING.

Free for all. Purse, \$200. One and one half miles.

| | |
|---|---|
| S. M. Roberts' Snuff Box, by Ballot Box | 1 |
| J. A. Forkner's Jack Dempsey, by Three Cheers | 2 |
| S. S. Ford's Keystone, by Langford | 3 |

Time—2:52.

RACE No. 14—RUNNING.

Free for all. Purse, \$150. Three quarters of a mile.

| | |
|---|---|
| Jacob Stevens' Red Rock; pedigree unknown | 1 |
| S. S. Ford's Snapping Andy, by Keystone..... | 2 |
| T. W. Wilson's Joaquin, by Three Cheers..... | 3 |

Time—1:18.

RACE No. 15—TROTTING.

For district horses. Purse, \$150. Mile heats, best two in three.

| | | |
|---|---|------|
| R. P. Clement's Queen, by Mackey | 2 | 1 |
| W. P. Hall's Kodak, by George Wapple..... | 1 | dis. |
| William McClelland's Almont Messenger, by Duster..... | 3 | dis. |

Time—3:48; 3:33.

RACE No. 16—RUNNING.

Free for all. Purse, \$200. Five eighths of a mile.

| | |
|---|---|
| Jacob Stevens' Red Rock; pedigree unknown | 1 |
| S. S. Ford's Snapping Andy, by Keystone..... | 2 |
| S. M. Roberts' Snuff Box, by Ballot Box | 3 |

Time—1:04.

FRIDAY, OCTOBER 9, 1891.

RACE No. 17—TROTTING.

Free for all. Purse, \$200. Mile heats, best three in five.

| | | | |
|--|---|---|---|
| H. E. Lewis' Nevada; pedigree unknown | 1 | 1 | 1 |
| E. P. Smith's Engineer, by Buccaneer..... | 2 | 2 | 2 |
| N. H. West's Nellie Woody, by Altamont | 3 | 3 | 3 |

Time—2:44; 2:40; 2:40.

RACE No. 18—RUNNING.

Free for all. Purse, \$200. Seven eighths of a mile and repeat.

| | | |
|--|---|---|
| S. M. Roberts' Snuff Box, by Ballot Box..... | 1 | 1 |
| S. S. Ford's Keystone, by Langford | 2 | 2 |
| Jo Dyson's Jo D, by Cousin Vic | 3 | 3 |

Time—1:36; 1:36½.

RACE No. 19—TROTTING.

For district buggy teams. Purse, \$100. Mile heats, best two in three.

| | | |
|--|---|---|
| H. N. Skadan's Pat and Fearless..... | 1 | 1 |
| J. P. Barham's Kit and Bell..... | 2 | 2 |
| L. D. McDow's Lulu and Duke..... | 3 | 3 |
| Thomas Watson's Dexter and Prince..... | 4 | 4 |

Time—4:15; 3:45.

RACE No. 20—RUNNING.

Free for all. Purse, \$75. One half mile.

| | |
|--|---|
| T. W. Wilson's Joaquin, by Three Cheers | 1 |
| S. S. Ford's Bill Long, by Keystone | 2 |
| Jo Dyson's Tillie McCarty; pedigree unknown..... | 3 |

Time—0:55.

TRANSACTIONS

OF THE

THIRTY-SEVENTH DISTRICT AGRICULTURAL ASSOCIATION

For the Year 1891,

Composed of the County of Santa Barbara.

OFFICERS OF THE ASSOCIATION.

| | |
|---------------------------------|------------|
| W. T. LUCAS, Santa Maria..... | President. |
| W. I. NICHOLS, Lompoc..... | Secretary. |
| J. F. GOODWIN, Santa Maria..... | Treasurer. |

DIRECTORS.

| | |
|--------------------|--------------|
| W. T. LUCAS..... | Santa Maria. |
| THOS. BOYD..... | Santa Maria. |
| B. PEZZONI..... | Guadaloupe. |
| A. LESLIE..... | Los Alamos. |
| H. W. GIFFORD..... | Stuart. |
| NAT. STEWART..... | Lompoc. |
| JOSEPH DIMOCK..... | Lompoc. |
| CON. MURPHY..... | Santa Ynez. |

REPORT.

SANTA MARIA, December 1, 1891.

To the honorable the State Board of Agriculture:

GENTLEMEN: The Directors of the Thirty-seventh District Agricultural Association submit this, their report of the transactions of said association, for the year ending this date.

W. I. NICHOLS,
Secretary.

RECEIPTS AND EXPENDITURES.

Receipts.

| | |
|---|-------------------|
| Sale of tickets and gate money..... | \$1,069 00 |
| Cash from entries..... | 432 00 |
| Sale of privileges..... | 255 15 |
| State warrant..... | 1,750 00 |
| Advertisements in premium list catalogue..... | 73 50 |
| | <u>\$3,609 65</u> |

Expenditures.

| | |
|--|----------|
| For premiums..... | \$607 00 |
| For sterling silver cups..... | 60 00 |
| For diplomas..... | 50 00 |
| For purses..... | 1,005 25 |
| For music at Pavilion..... | 25 50 |
| For Secretary's salary..... | 150 00 |
| For Treasurer's salary..... | 20 00 |
| F. Malone, services as Judge and Starter..... | 100 00 |
| H. B. Brastow, Assistant Secretary, expenses..... | 30 00 |
| O. B. Farnum, Entry Clerk..... | 50 00 |
| National Trotting Association, penalty from Albright..... | 36 00 |
| William Tunnell, hack service..... | 3 00 |
| J. Copeland, driving Tono, order of Judges..... | 10 00 |
| A. Leslie, draft-book and expressage..... | 8 25 |
| A. Leslie, seal and expressage..... | 12 15 |
| Morehead & Douglas, stationery supplies..... | 3 70 |
| H. C. Dimock, letterheads and envelopes..... | 6 50 |
| W. I. Nichols, stamps and expressage..... | 1 65 |
| W. I. Nichols, stamps and expressage..... | 1 75 |
| W. I. Nichols, dispatch to National Trotting Association..... | 1 00 |
| Cash returned Eubanks on unfilled entry..... | 12 50 |
| Cash returned E. W. Steele, unfilled entries..... | 40 00 |
| Cash returned C. W. Merritt, unfilled entries..... | 4 00 |
| Robert Earl, hack service..... | 75 |
| Morris & Curryer, hauling supplies..... | 4 50 |
| G. M. Doane, carpenter (12½ days)..... | 36 25 |
| S. Fessler, Superintendent farm products (6 days)..... | 12 00 |
| Mrs. J. E. Morris, Superintendent canned fruits (6 days)..... | 9 00 |
| W. H. Brooke, Superintendent poultry..... | 5 00 |
| Mrs. Thornburg, Superintendent fancy work..... | 9 00 |
| Mrs. J. W. Ables, Superintendent Flower Department..... | 9 00 |
| Mrs. L. E. Blochman, Superintendent Children's Department..... | 9 00 |
| James Huston, Superintendent Fruit Department..... | 12 00 |
| S. J. Jones, General Superintendent Pavilion..... | 25 00 |
| W. M. Forrester, work on track..... | 83 30 |
| W. T. Morris, work on track..... | 1 50 |
| Hiram Wells, watchman (8 days)..... | 6 00 |
| John Elliott, building closets..... | 10 00 |
| J. Thornburg, work at Pavilion..... | 18 00 |
| J. W. Ables, carpenter work (2½ days)..... | 9 00 |
| J. W. Ables, ticket seller at Pavilion..... | 12 00 |
| Thad. Dashiell, work on track..... | 2 00 |
| E. H. Stowell, hauling lumber..... | 6 50 |
| G. G. Brown, work on Pavilion..... | 1 50 |
| George J. Lucas, work at Pavilion..... | 25 00 |
| George J. Lucas, music at Pavilion..... | 25 00 |
| S. J. Jones, five days' work at Pavilion..... | 12 50 |
| B. Martin, ticket seller at track..... | 10 75 |
| Perry Jessee, gatekeeper at track..... | 8 75 |
| Lierly & Blosser, hack service..... | 6 25 |
| H. J. Morris, marshal, with two deputies..... | 30 00 |
| Thomas Boyd, fence contract..... | 40 50 |
| Schwartz, Beebe & Co., lumber..... | 137 50 |
| Weilheimer & Coblenz, cloth, ribbon, etc..... | 6 97 |
| Bell & Bryant, hardware..... | 7 69 |
| A. Ward, water fixtures..... | 1 55 |
| H. W. Riehl, lamps for Pavilion..... | 1 25 |
| T. A. Jones & Son, picture nails and cord..... | 5 80 |
| W. A. Haslam & Co., merchandise..... | 13 87 |
| F. A. Clark, stationery..... | 2 50 |
| W. H. Rice, General Stock Superintendent..... | 25 00 |
| Walt. Elliott, General Track Superintendent..... | 25 00 |
| Expenses of eight Directors at \$25..... | 200 00 |
| Rent of Pavilion..... | 75 00 |
| Rent of track..... | 175 00 |

\$3,355 65

PREMIUMS AWARDED—1891.

LIVE STOCK DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|-----------------------------------|-----------|
| THOROUGHBRED AND STANDARD HORSES. | | |
| Best stallion, three years old and over..... | F. D. Hall, Lompoc | \$12 00 |
| Stallion, three years old and over..... | W. F. Johnston, Santa Maria..... | Sp. 10 00 |
| Best mare, three years old and over..... | John Boyd, Santa Maria..... | 8 00 |
| Best mare, two years old..... | John Boyd, Santa Maria..... | 6 00 |
| Best mare, one year old..... | John Boyd, Santa Maria..... | 4 00 |
| Best suckling colt..... | John Boyd, Santa Maria..... | 2 00 |
| ROADSTER HORSES. | | |
| Best stallion, three years old and over..... | J. M. Rochin, Los Alamos..... | 10 00 |
| Second best..... | J. H. Bliss, Santa Maria..... | Diploma. |
| Best stallion, two years old..... | H. Stowell, Santa Maria..... | \$6 00 |
| Second best..... | C. W. Merritt, Santa Maria..... | Diploma. |
| Best stallion, one year old..... | C. W. Merritt, Santa Maria..... | \$4 00 |
| Best mare, three years old and over..... | T. S. Brown, Santa Maria..... | 10 00 |
| Second best..... | F. Thornburg, Santa Maria..... | Diploma. |
| Best mare, two years old..... | J. H. Heath, Santa Maria..... | \$6 00 |
| Best suckling colt..... | C. W. Merritt, Santa Maria..... | 2 00 |
| Best single roadster..... | W. Elliott, Santa Maria..... | 5 00 |
| Best mare, one year old..... | J. H. Heath, Santa Maria..... | 5 00 |
| Second best..... | J. L. Shuman, Santa Maria..... | Diploma. |
| Best matched span..... | Wm. Smith, Santa Maria..... | \$10 00 |
| Second best..... | O. W. Maulsby, Santa Maria..... | 5 00 |
| DRAFT HORSES. | | |
| Best stallion, three years old and over..... | J. H. Bliss, Santa Maria..... | 10 00 |
| Second best..... | J. H. Bliss, Santa Maria..... | Diploma. |
| Best draft team..... | George Stowell, Santa Maria..... | \$10 00 |
| Second best..... | J. W. Coppock, Santa Maria..... | Diploma. |
| CARRIAGE HORSES. | | |
| Best single carriage horse..... | C. W. Bradley, Santa Maria..... | \$5 00 |
| HORSES FOR ALL PURPOSES. | | |
| Best stallion, three years old and over..... | C. P. Mattison, Guadalupe..... | 8 00 |
| Second best..... | T. C. Nance, Santa Maria..... | Diploma. |
| Best mare, three years old and over..... | B. W. Scott, Santa Maria..... | \$8 00 |
| Best suckling colt..... | L. D. Anderson, Santa Maria..... | 2 00 |
| SADDLE HORSES. | | |
| Best saddle horse..... | Geo. R. Tunnell, Santa Maria..... | 5 00 |
| MULES. | | |
| Best span mules..... | T. S. Brown, Santa Maria..... | 10 00 |
| GRADED CATTLE. | | |
| Best graded heifer..... | L. E. Blochman, Santa Maria..... | 3 00 |
| ANGORA GOATS. | | |
| Best twelve Angora goats..... | Geo. R. Tunnell, Santa Maria..... | 5 00 |
| POULTRY. | | |
| Best Brown Leghorns..... | J. H. Heath, Santa Maria..... | 2 00 |
| Second best..... | R. C. Wylie, Santa Maria..... | 1 00 |
| Best Plymouth Rocks..... | B. W. Scott, Santa Maria..... | 2 00 |
| Best Pekin ducks..... | B. W. Scott, Santa Maria..... | 2 00 |
| Best ducks of any variety..... | R. C. Wylie, Santa Maria..... | 2 00 |
| Best fancy pigeons..... | George Merritt, Santa Maria..... | 2 00 |
| Best geese..... | Geo. R. Tunnell, Santa Maria..... | 2 00 |
| Second best..... | J. W. Coppock, Santa Maria..... | 1 00 |
| Best Guinea fowls..... | J. W. Coppock, Santa Maria..... | 2 00 |
| Best cage of canaries..... | Vernie DeWitt, Santa Maria..... | 2 00 |

FARM PRODUCTS.

| Exhibit. | Exhibitor. | Award. |
|---|------------------------------------|---------|
| Best exhibit | O. W. Maulsby, Santa Maria | \$10 00 |
| Second best | W. W. Stillwell, Santa Maria | 5 00 |
| Best wheat | Con. Murphy, Santa Ynez | 2 00 |
| Best barley | William Smith, Santa Maria | 2 00 |
| Best oats | Steve Fesler, Santa Maria | 2 00 |
| Best white corn | E. Forrester, Santa Maria | 2 00 |
| Second best | D. M. Smith, Santa Maria | 1 00 |
| Best corn on stalk | B. W. Scott, Santa Maria | 2 00 |
| Second best | J. G. Prell, Santa Maria | 1 00 |
| Best sweet corn | Thomas Jones, Santa Maria | 2 00 |
| Second best | E. Forrester, Santa Maria | 1 00 |
| Best popcorn on stalk | Thomas Jones, Santa Maria | 2 00 |
| Second best corn in ear | H. R. Baker, Santa Maria | 1 00 |
| Best English mustard | G. Kentlay, Lompoc | 2 00 |
| Heaviest squash | J. G. Prell, Santa Maria | 2 00 |
| Second heaviest | J. L. Shuman, Santa Maria | 1 00 |
| Largest watermelon | William Holtman, Santa Maria | 2 00 |
| Second largest | W. H. Rice, Santa Maria | 1 00 |
| Largest muskmelon | Steve Fesler, Santa Maria | 2 00 |
| Second largest | R. C. Wylie, Santa Maria | 1 00 |
| Best string red peppers | Thomas Jones, Santa Maria | 2 00 |
| Best onions | G. Kentlay, Santa Maria | 2 00 |
| Second best | E. Forrester, Santa Maria | 1 00 |
| Best beets | H. R. Baker, Santa Maria | 2 00 |
| Second best | Steve Fesler, Santa Maria | 1 00 |
| Best carrots | J. L. Shuman, Santa Maria | 2 00 |
| Best tomatoes | E. Forrester, Santa Maria | 2 00 |
| Second best | Steve Fesler, Santa Maria | 1 00 |
| Best mangel-wurzel beets | J. L. Shuman, Santa Maria | 2 00 |
| Best lima beans | Steve Fesler, Santa Maria | 2 00 |
| Second best | D. M. Smith, Santa Maria | 1 00 |
| Best beans, any variety | B. W. Scott, Santa Maria | 2 00 |
| Second best | H. R. Baker, Santa Maria | 1 00 |
| Best tobacco | R. C. Wylie, Santa Maria | 2 00 |
| Second best | Steve Fesler, Santa Maria | 1 00 |
| Best potatoes | T. C. Nance, Santa Maria | 2 00 |
| Best variety popcorn, twenty pounds | Thomas Jones, Santa Maria | 2 00 |
| Best sweet potatoes | T. C. Nance, Santa Maria | 2 00 |
| Second best | H. R. Baker, Santa Maria | 1 00 |
| Best peanuts | T. C. Nance, Santa Maria | 2 00 |

DAIRY PRODUCTS.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------|-----------------------------------|----------|
| Best box butter | T. S. Brown, Santa Maria | \$15 00 |
| Second best | J. B. Shaw, Los Alamos | Diploma. |
| Best single roll butter | George Stowell, Santa Maria | \$3 00 |

CULINARY DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-----------------------------|-------------------------------------|--------|
| Best bread | Maggie Davis, Santa Maria | \$2 00 |
| Second best | Minnie Smith, Santa Maria | 1 00 |
| Best biscuits | Minnie Smith, Santa Maria | 1 00 |
| Second best | Maggie Davis, Santa Maria | 50 |
| Best exhibit of cake | Mrs. Travers, Santa Maria | 4 00 |
| Best fruit cake | Mrs. Bradley, Santa Maria | 2 00 |
| Best single-crust pie | Mrs. R. Travers, Santa Maria | 1 00 |
| Best tarts | Mrs. R. Travers, Santa Maria | 1 00 |
| Best soda biscuits | Mrs. T. S. Brown, Santa Maria | 1 00 |

CANNED FRUITS.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|---------------------------------------|--------|
| Best exhibit of fruit in jars | Mrs. Chas. Bradley, Santa Maria | \$6 00 |
| Second best | Mrs. Viola Jones, Santa Maria | 3 00 |
| Best exhibit of jellies | Mrs. Viola Jones, Santa Maria | 4 00 |
| Best glass apricot jelly | Mrs. C. Bradley, Santa Maria | 50 |
| Best glass currant jelly | Mrs. C. Bradley, Santa Maria | 50 |
| Best glass quince jelly | Mrs. C. Bradley, Santa Maria | 50 |
| Best glass apricot jam | Mrs. Wm. Smith, Santa Maria | 50 |
| Best glass peach jelly | Mrs. S. Tunnell, Santa Maria | 50 |
| Best glass blackberry jelly | Mrs. S. Tunnell, Santa Maria | 50 |
| Best glass plum jelly | Mrs. C. P. Mathison, Guadalupe | 50 |
| Best glass crabapple jelly | Mrs. G. W. Jenkins, Santa Maria | 50 |
| Best glass apple jelly | Mrs. J. G. Prell, Santa Maria | 50 |
| Best can apples | Mrs. Wm. Smith, Santa Maria | 1 00 |
| Best can pears | Mrs. Wm. Smith, Santa Maria | 1 00 |
| Best can apricots | Grace Stowell, Santa Maria | 1 00 |
| Best sweet pickles | Mrs. C. Bradley, Santa Maria | 2 00 |
| Best can peaches | Mrs. Tunnell, Santa Maria | 1 00 |
| Best can plums | Mrs. Wm. Smith, Santa Maria | 1 00 |
| Best can nectarines | Mrs. Wm. Smith, Santa Maria | 1 00 |
| Best can blackberries | Grace Stowell, Santa Maria | 1 00 |
| Best glass raspberry preserves | Mrs. C. Bradley, Santa Maria | 50 |
| Best glass strawberry preserves | Mrs. C. Bradley, Santa Maria | 50 |
| Best glass quince preserves | Mrs. C. Bradley, Santa Maria | 50 |
| Best glass plum preserves | Mrs. C. Bradley, Santa Maria | 50 |
| Best glass watermelon preserves | Mrs. Viola Jones, Santa Maria | 50 |
| Best glass fig preserves | Mrs. Viola Jones, Santa Maria | 50 |
| Best glass crabapple preserves | Mrs. Wm. Smith, Santa Maria | 50 |

MISCELLANEOUS PREMIUMS.

OMITTED FROM CATALOGUE, BUT AWARDED AS SPECIAL.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|-----------------------------------|--------|
| Best green apricots | J. W. Hudson, Santa Maria | \$2 00 |
| Second best | J. G. Prell, Santa Maria | 1 00 |
| Best trio Creeper fowls | B. W. Scott, Santa Maria | 2 00 |
| Best display of lavender plants | L. E. Blochman, Santa Maria | 2 00 |

CHILDREN'S DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|-------------------------------|--|--------|
| Best oil painting | {Mina Morehead, Lompoc.....} {Vinnie McDonald, Lompoc.....} | \$2 00 |
| Second best | Robert Hudson, Santa Maria | 1 50 |
| Best water colors | Mina Morehead, Lompoc | 2 00 |
| Second best | Hattie Shoults, Lompoc | 1 00 |
| Best Kensington outline | Phoebe Boyd, Santa Maria | 2 00 |
| Best cushion | Mary Brown, Santa Maria | 2 00 |
| Second best | Lulu Pickle, Santa Maria | 1 00 |
| Best cotton dress | Estella Lewis, Santa Maria | 3 00 |
| Best white apron | V. Brookshire, Santa Maria | 1 00 |
| Second best | Lizzie Pickle, Santa Maria | 50 |
| Best bread | Lulu Maulsby, Santa Maria | 2 00 |
| Second best | Alice Bradley, Santa Maria | 1 00 |
| Best cake | Lulu Maulsby, Santa Maria | 2 00 |
| Second best | Mary Brown, Santa Maria | 1 00 |
| Best crochet work | Tita E. Olivera, Santa Maria | 2 00 |
| Best boat | Joel Fesler, Santa Maria | 2 00 |
| Best kite | Ward Jones, Santa Maria | 2 00 |
| Best carpenter work | John West, Santa Maria | 3 00 |
| Second best | Archie Ables, Santa Maria | 1 50 |

LADIES' DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--------------------------------------|--|--------|
| Best exhibit | Miss L. Sherman, Santa Maria | \$3 00 |
| Best drawn rug | Mrs. E. D. Perkins, Los Alamos | 2 00 |
| Best knitted lace | Mrs. K. Lutnesky, Santa Maria | 2 00 |
| Second best | Miss Pinnock, Santa Maria | 1 00 |
| Best crochet lace | Annie Brown, Santa Maria | 2 00 |
| Best crochet bedspread | Mrs. Campbell, Stuart | 2 00 |
| Best quilted bedspread | Mrs. C. Sherman, Santa Maria | 2 00 |
| Second best | Mrs. H. E. West, Santa Maria | 1 00 |
| Best knitted garment | Miss Grace Fleck, Guadalupe | 2 00 |
| Second best | Mrs. J. L. Sherman, Santa Maria | 1 00 |
| Best crochet garment | Miss Grace Fleck, Guadalupe | 2 00 |
| Second best | Mrs. J. L. Sherman, Santa Maria | 1 00 |
| Best antique lace | Mrs. Flores, Santa Maria | 2 00 |
| Best banner lace | Mrs. F. Newlove, Santa Maria | 2 00 |
| Second best | Miss Minnie Smith, Santa Maria | 1 00 |
| Best sofa pillow | Miss Nessie Adams, Santa Maria | 2 00 |
| Second best | Mrs. F. Newlove, Santa Maria | 1 00 |
| Best sea moss design | Mrs. C. Sherman, Santa Maria | 2 00 |
| Best hair work | Mrs. C. Sherman, Santa Maria | 2 00 |
| Best chenille embroidery | Mrs. C. Sherman, Santa Maria | 2 00 |
| Best wool embroidery | Mrs. C. Sherman, Santa Maria | 2 00 |
| Best bead work | Mrs. C. Sherman, Santa Maria | 2 00 |
| Best Spanish drawn work | Mrs. A. H. Orr, Santa Maria | 3 00 |
| Second best | Mrs. Flores, Santa Maria | 1 50 |
| Best pincushion | Miss Belle Adam, Santa Maria | 2 00 |
| Best hand sewing | Mrs. T. S. Brown, Santa Maria | 3 00 |
| Second best | Mrs. C. P. Mathison, Guadalupe | 1 50 |
| Best machine sewing | Mrs. C. P. Mathison, Guadalupe | 2 00 |
| Second best outline embroidery | Mrs. A. H. Orr, Santa Maria | 1 00 |
| Best pillow shams | Miss Annie Brown, Santa Maria | 2 00 |
| Second best | Mrs. J. S. Curryer, Guadalupe | 1 00 |
| Best embroidery on cotton | Miss Pinnock, Santa Maria | 2 00 |
| Best crazy bedspread | Mrs. McCarley, Santa Maria | 2 00 |
| Second best | Mrs. S. J. Jones, Santa Maria | 1 00 |
| Best fancy apron | Mrs. Flores, Santa Maria | 2 00 |
| Second best | Mrs. J. Miller, Jr., Santa Maria | 1 50 |
| Best kensington | Mrs. A. E. Lutnesky, Santa Maria | 2 00 |

FINE ARTS.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|--------------------------------------|----------|
| Best display of paintings | Miss Sallie Lucas, Santa Maria | Diploma. |
| AMATEURS. | | |
| Best landscape painting | Mrs. H. E. Snow, Santa Maria | \$2 50 |
| Best marine painting | Mrs. K. A. Crow, Santa Maria | 2 50 |
| Best fruit painting | Mrs. K. A. Crow, Santa Maria | 2 50 |
| Best flower painting | Mrs. John Adams, Santa Maria | 2 50 |
| Best painted scarf | Miss Minnie Smith, Santa Maria | 2 50 |
| Best crayon drawing | Robert Hudson, Santa Maria | 2 50 |

MANUFACTURES OF THE COUNTY.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------|---------------------------------|----------|
| Bean planter | G. B. Hopper, Santa Maria | Diploma. |
| Blacksmith work | G. B. Hopper, Santa Maria | Diploma. |
| Best decorated woodwork | J. S. Denton, Santa Maria | Diploma. |
| Best saddle work | A. Ward, Santa Maria | Diploma. |
| Best stamped leather work | A. Ward, Santa Maria | Diploma. |
| Best stone work | J. Dunlap, Santa Maria | Diploma. |

FRUIT DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|--|--------------------------------------|----------|
| Best exhibit of orchard and vineyard fruits..... | O. W. Maulsby, Santa Maria | \$15 00 |
| Best apples..... | J. G. Prell, Santa Maria | 5 00 |
| Second best..... | J. Dimock, Lompoc | 2 00 |
| Best pears..... | J. G. Prell, Santa Maria | 5 00 |
| Second best..... | Wm. Smith, Santa Maria | 2 00 |
| Best peaches..... | J. G. Prell, Santa Maria | 5 00 |
| Second best..... | Chas. Bradley, Santa Maria | 2 50 |
| Best plums and prunes..... | J. Dimock, Lompoc | 3 00 |
| Second best..... | Chas. Bradley, Santa Maria | 1 50 |
| Best display of grapes..... | A. Ontiveros, Santa Maria | Diploma. |
| Best Pearmain apples..... | Thos. Boyd, Santa Maria | \$1 00 |
| Best Fall Pippin apples..... | W. Elliot, Santa Maria | 1 00 |
| Best S. Pippin apples..... | T. S. Brown, Santa Maria | 1 00 |
| Best Rambo apples..... | C. P. Mathison, Guadalupe | 1 00 |
| SINGLE PLATES OF FRUIT. | | |
| Best Bartlett pears..... | J. Dimock, Lompoc | 1 00 |
| Best Winter Nelis pears..... | T. B. Ables, Santa Maria | 1 00 |
| Best Keifer's Hybrid pears..... | Thos. Boyd, Santa Maria | 1 00 |
| Best Seckel pears..... | W. Elliot, Santa Maria | 1 00 |
| Best Flemish Beauty pears..... | T. S. Brown, Santa Maria | 1 00 |
| Best Damson plums..... | C. P. Mathison, Guadalupe | 1 00 |
| Best almonds..... | L. E. Blochman, Santa Maria | 2 00 |
| Best chestnuts..... | W. W. Stillwell, Santa Maria | 2 00 |
| Best blackberries..... | J. G. Prell, Santa Maria | 2 00 |
| Second best..... | E. Forrester, Santa Maria | 1 00 |
| Best raspberries..... | W. W. Stillwell, Santa Maria | 2 00 |
| Best lemons..... | J. F. Goodwin, Santa Maria | 3 00 |
| Second best..... | S. J. Jones, Santa Maria | 1 50 |
| Best walnuts..... | John Rice, Santa Maria | 2 00 |
| Best figs..... | L. L. Forrester, Santa Maria | 2 00 |
| DRIED FRUITS. | | |
| Best dried apricots..... | Isaac Miller, Sr., Santa Maria | 5 00 |
| Second best..... | M. Saunders, Lompoc | 2 50 |
| Best dried nectarines..... | O. W. Maulsby, Santa Maria | 5 00 |
| Best dried apples..... | O. W. Maulsby, Santa Maria | 5 00 |
| Best dried pears..... | O. W. Maulsby, Santa Maria | 5 00 |
| Best dried figs..... | O. W. Maulsby, Santa Maria | 5 00 |
| Best dried peaches..... | O. W. Maulsby, Santa Maria | 5 00 |

PLANTS AND FLOWERS.

| Exhibit. | Exhibitor. | Award. |
|---------------------------------------|---------------------------------------|--------|
| Best general display..... | Mrs. J. F. Goodwin, Santa Maria | \$5 00 |
| Best display of flowering plants..... | Mrs. A. H. Orr, Santa Maria | 5 00 |
| Best exhibit of named roses..... | Mrs. J. E. Morris, Santa Maria | 3 00 |
| Best exhibit of cut flowers..... | Mrs. Viola Jones, Santa Maria | 2 00 |
| Best parlor bouquet..... | Miss Ora Lucas, Santa Maria | 2 00 |
| Best hand bouquet..... | Miss Minnie Smith, Santa Maria | 1 00 |
| Best design from cut flowers..... | Miss S. Coblenz, Santa Maria | 3 00 |
| Best single basket..... | Emma Ables, Santa Maria | 1 00 |

PUBLIC SCHOOL DEPARTMENT.

| Exhibit. | Exhibitor. | Award. |
|---|-------------------------------------|--------|
| Best exhibit, first and second years | Santa Maria School | \$2 50 |
| Second best | La Graciosa School | 1 50 |
| Best exhibit, third and fourth years | Santa Maria School | 2 50 |
| Second best | Lompoc School | 1 50 |
| Best exhibit, fifth and sixth years | Santa Maria School | 2 50 |
| Second best | Lompoc School | 1 50 |
| Best exhibit, seventh and eighth years | Santa Maria School | 2 50 |
| Second best | Lompoc School | 1 50 |
| Best collection of relics | Ida Merritt, Santa Maria | 2 00 |
| Second best | Roscoe Jones, Santa Maria | 1 00 |
| Best collection of shells | Ward Jones, Santa Maria | 2 00 |
| Best penmanship by pupil under twelve years of age | Mary Brown, Santa Maria | 2 00 |
| Second best | Bertha Kleine, Santa Maria | 1 00 |
| Best penmanship by pupil under fifteen and over twelve years of age | Grace Way, Santa Maria | 2 00 |
| Second best | Ida Wylie, Santa Maria | 1 00 |
| Best map drawing | Andrew Olivera, Santa Maria | 2 00 |
| Second best | Blanche Morrison, Santa Maria | 1 00 |
| Best general drawing | Robert Hudson, Santa Maria | 2 00 |
| Second best | Emma Brookshire, Santa Maria | 1 00 |
| Best entomological collection | La Graciosa School | 2 00 |
| Second best | Roscoe Jones, Santa Maria | 1 00 |
| Best botanical collection | Roscoe Jones, Santa Maria | 2 00 |
| Best collection of birds' eggs | Roscoe Jones, Santa Maria | 2 00 |
| Second best | Armanda Romero, Santa Maria | 1 00 |

BABY SHOW.

| Exhibit. | Exhibitor. | Award. |
|---|--------------------------------------|------------|
| Prettiest baby under six months | Mrs. Q. Thornburg, Lompoc | Sil. cup. |
| Prettiest baby over six months | Mrs. J. H. Logan, Santa Maria | Sil. cup. |
| Second prettiest baby over six months | Mrs. Kennedy, Santa Maria | Sil. cup. |
| Heaviest baby under six months | Mrs. Q. Thornburg, Santa Maria | Sil. cup. |
| Heaviest baby over six months | Mrs. Ables, Santa Maria | Sil. cup. |
| Prettiest twins | Mrs. Langford, Santa Maria | Sil. cups. |

SPEED PROGRAMME.

TUESDAY, SEPTEMBER 1, 1891.

RACE NO. 1—RUNNING.

One half mile and repeat.

| | |
|--|---|
| Frank Treanor's b. m. Belle, by Reveille; dam, Mollie Adams..... | 1 |
| M. S. Bryan's b. m. Artemesia, by Robbery Boy; dam, Belle..... | 2 |
| Charles Hazelrigg's b. s. Sandhill Charley, by Red Bird; dam, Kitty..... | 3 |
| <i>Time—0:52; 0:54.</i> | |

RACE NO. 2—TROTTING.

For named horses. Mile heats, best three in five.

| | |
|--|------|
| J. M. Rochin's s. s. Don Ramon, by Antioch; dam, Angela..... | 1 |
| W. S. Lierly's gr. s. Ethan Allen, by Vick's Allen; dam, by Bellfounder..... | dis. |
| H. Langholtz's b. m. Maid, by Chieftain; dam, unknown..... | dis. |
| <i>Time—2:50; 2:48; 2:52; 2:49½.</i> | |

RACE NO. 3—TROTTING.

For two-year olds. Mile heats, best two in three.

| | |
|---|---|
| R. E. Tolle's br. m. Bijou, by Fred Arnold; dam, by Conway's Patchen..... | 1 |
| C. O. Thornquest's s. s. Excelsior, by Bashaw; dam, Beck..... | 2 |
| H. Stowell's b. s. Neptune, by Dewdrop; dam, unknown..... | 3 |
| <i>Time—2:55½; 2:55.</i> | |

WEDNESDAY, SEPTEMBER 2, 1891.

RACE NO. 4—TROTTING.

For two-year olds. Mile heats, best two in three.

| | |
|---|---|
| C. O. Thornquest's b. s. Tokio, by Newry; dam, unknown..... | 1 |
| John Boyd's br. m. Katie B, by Fred Arnold; dam, Maud..... | 2 |
| W. S. Lierly's b. g. Harry A, by Fred Arnold; dam, Old Belle..... | 3 |
| <i>Time—3:57½; 3:52; 3:43½.</i> | |

RACE NO. 5—RUNNING.

One quarter mile dash.

| | |
|---|---|
| C. W. Short's rn. g. Rucker; pedigree unknown..... | 1 |
| M. H. Stephens' s. m. Sleepy Jane, by Red Bird; dam, unknown..... | 2 |
| C. P. Lowry's br. g. C P; pedigree unknown..... | 3 |
| Rinaldo Olivera's b. g. Mascot; pedigree unknown..... | 0 |
| <i>Time—0:25½.</i> | |

RACE NO. 6—RUNNING.

For two and three-year old colts. Five eighths of a mile.

| | |
|---|---|
| V. Estudillo's br. s. Comet, Jr., by Comet; dam, by Lodi..... | 1 |
| M. S. Bryan's b. g. Pico; pedigree unknown..... | 2 |
| R. Yelkin's br. m. Antelope, by Algerine; dam, unknown..... | 3 |
| <i>Time—1:09½.</i> | |

RACE No. 7—TROTTING.

For named horses. Mile heats, best three in five.

| | |
|---|---|
| R. E. Tolle's ch. m. Daisy M, by Quien Sabe | 1 |
| C. O. Thornquest's b. m. Daisy N, by Mt. Vernon | 2 |
| C. W. Short's s. s. Dude, by Bashaw | 3 |
| W. S. Lierly's b. g. Dorma, by Pacific | 4 |

Time—2:45½; 2:40; 2:41.

THURSDAY, SEPTEMBER 3, 1891.

RACE No. 8—RUNNING.

Three eighths of a mile and repeat.

| | |
|--|---|
| Frank Treanor's br. m. Belle, by Reveille; dam, Mollie Adams | 1 |
| C. W. Short's rn. g. Rucker, by Gray Eagle; dam, unknown | 2 |
| M. S. Bryan's b. m. Artemesia, by Robbery Boy; dam, Belle | 3 |
| M. H. Stephens, Jr.'s, s. m. Sleepy Jane; pedigree unknown | 4 |

Time—0:38; 0:38½; 0:40½.

RACE No. 9—TROTTING.

For yearling colts. One half mile heats, best two in three.

| | |
|---|------|
| C. O. Thornquest's br. s. Adjutant, by Electro; dam, Miss Peacock | 1 |
| J. H. Heath's br. s. Billy Button, by Electro; dam, unknown | 2 |
| R. Yelkins' g. g. Clouds, by Dewdrop; dam, unknown | dis. |

Time—2:20; 2:16½.

RACE No. 10—TROTTING.

For named horses. Mile heats, best three in five.

| | |
|---|---|
| Jos. Coplin's b. m. Estella C, by Director; dam, unknown | 1 |
| E. N. Hamilton's br. g. Brilliant, by Brilliant; dam, Flora | 2 |
| R. E. Tolle's ch. g. Sleepy Sam, by Quien Sabe; dam, Mollie Patchen | 3 |

Time—2:40; 2:38½; 2:39½; 2:39½; 2:40.

FRIDAY, SEPTEMBER 4, 1891.

RACE No. 11—TROTTING.

For named horses. Mile heats, best three in five.

| | |
|---|------|
| P. J. Doyle's b. m. Miss Monroe, by Monroe Chief; dam, by A. W. Richmond | 1 |
| N. A. Covarrubias' s. g. Tono, by Salisbury; dam, by Whipple's Hambletonian | 2 |
| H. D. Albright's br. s. Alpheus, by Mambrino Wilkes; dam, Rose | dis. |

Time—2:30; 2:31½; 2:30½; 2:33; 2:34½.

RACE No. 12—TROTTING.

For named horses. Mile heats, best two in three.

| | |
|---|---|
| C. W. Merritt's b. s. Tokio, by Electro; dam, by Newry | 1 |
| W. S. Lierly's b. m. Katie B, by Fred Arnold; dam, Maid | 2 |

Time—4:00; 3:57½; 3:55½.

RACE No. 13—RUNNING.

For named horses. Three quarters of a mile.

| | |
|---|---|
| Frank Treanor's br. m. Belle, by Reveille; dam, Mollie Adams | 1 |
| M. S. Bryan's b. m. Artemesia, by Robbery Boy; dam, Belle | 2 |
| C. J. Russell's g. m. Slippery, by Donohue; dam, unknown | 3 |
| M. H. Stephens' b. g. Starlight, by Robbery Boy; dam, unknown | 0 |

Time—1:20.

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